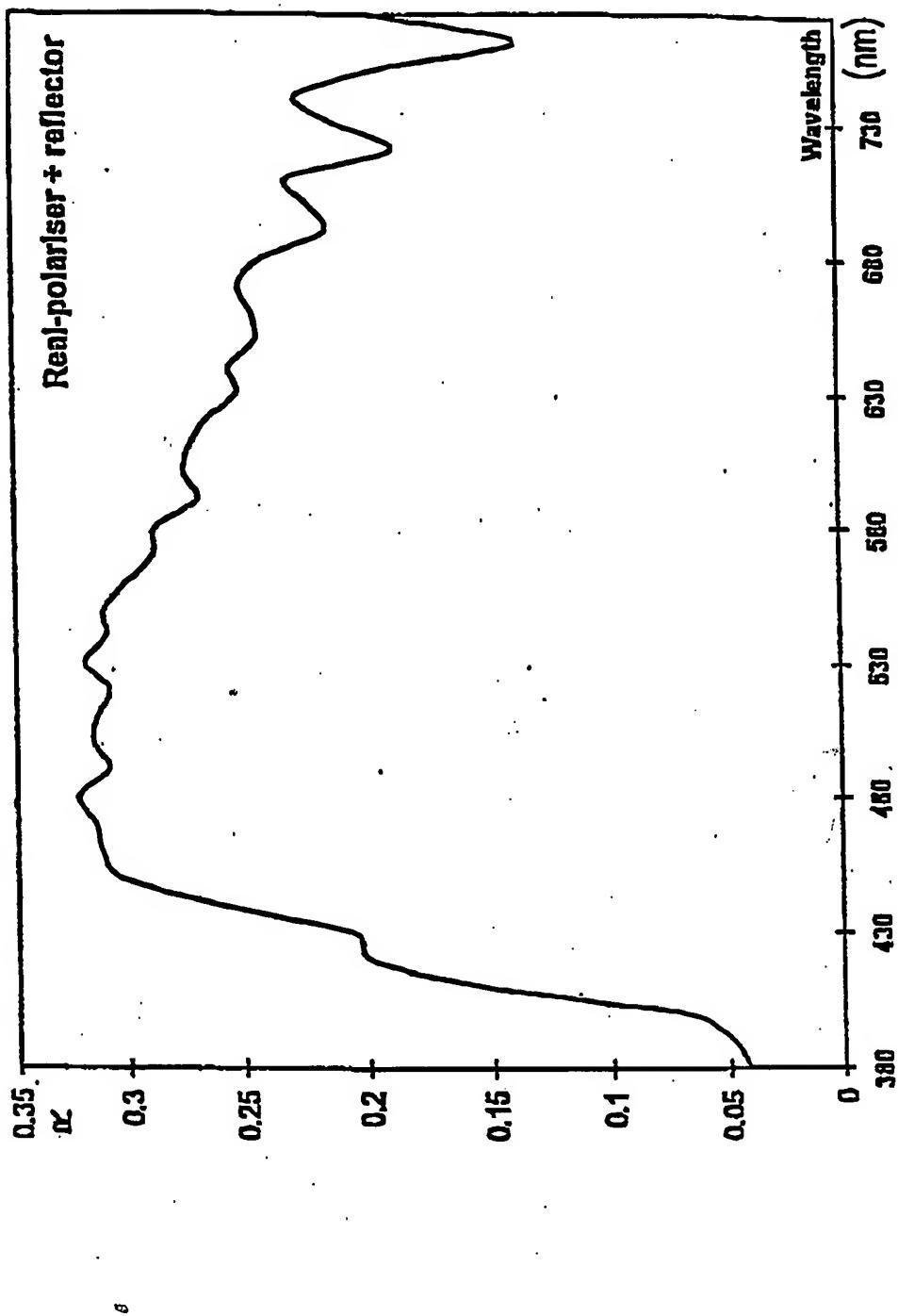


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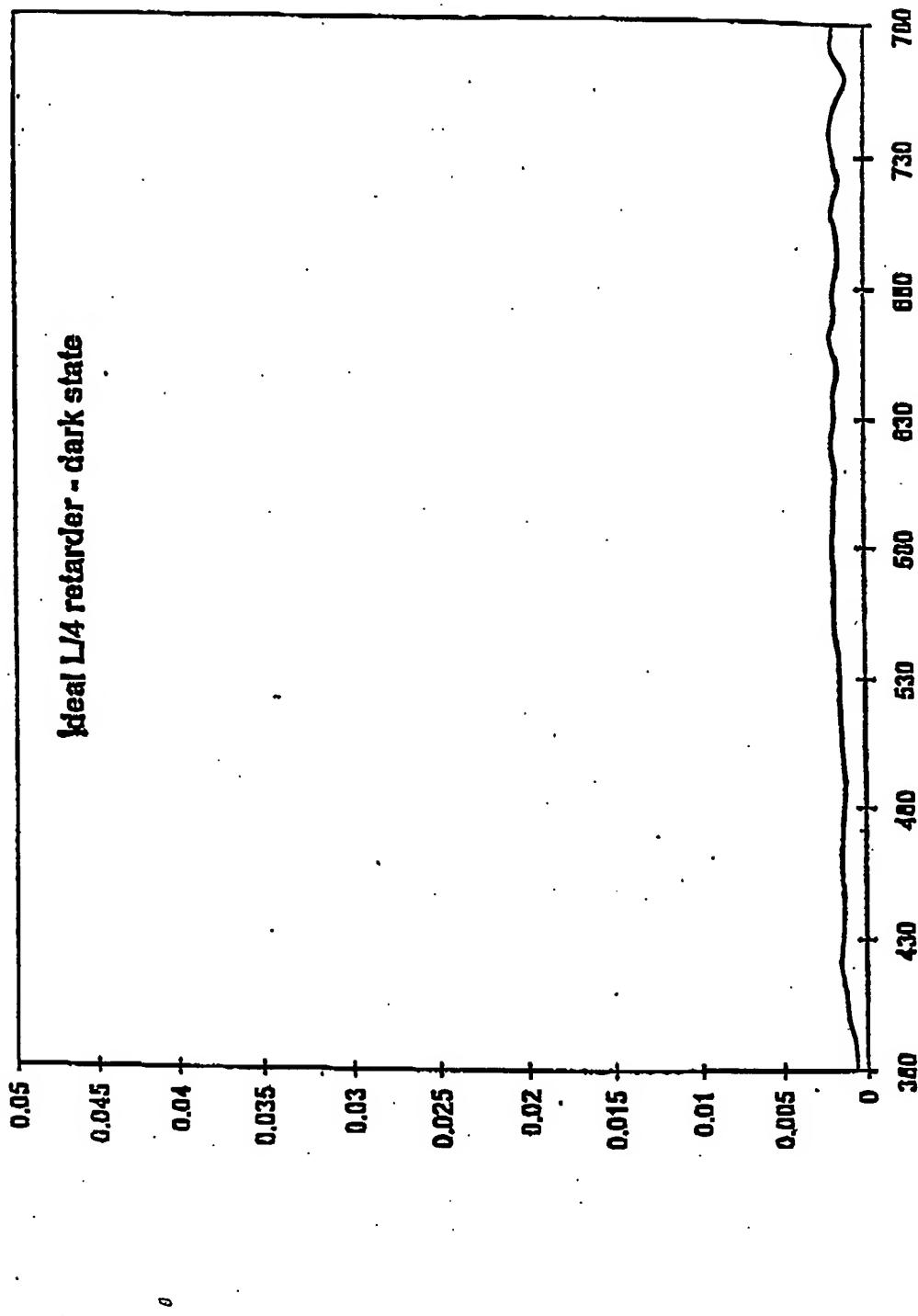
FIG. 1



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FIG.2



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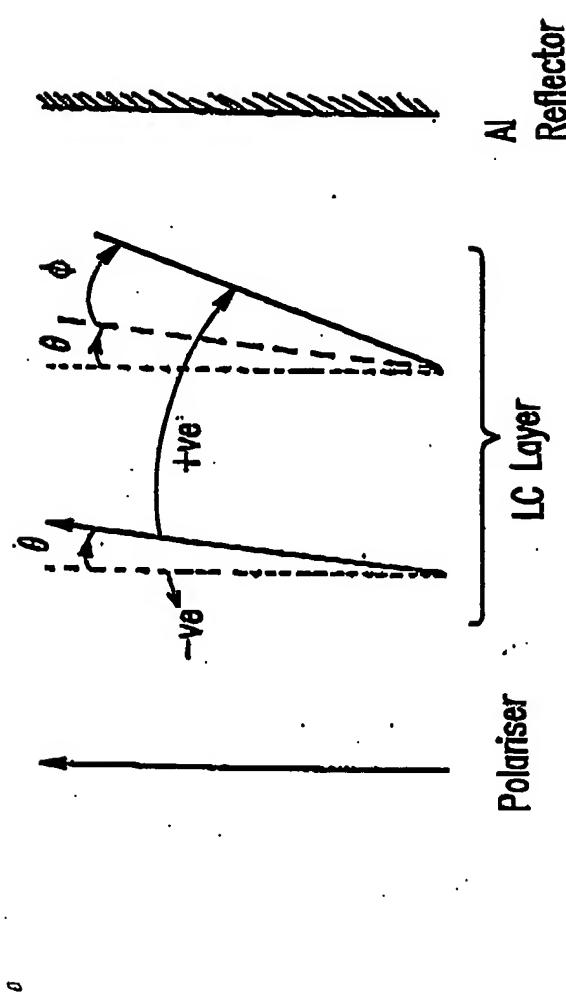
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FIG. 3

	Twist of LC layer $\phi$ (degrees)	Input director of LC $\theta(\phi)$ (degrees)	$\Delta n/\lambda$ ( $\lambda=550\text{nm}$ )	Thickness of LC $d$ ( $\mu\text{m}$ )
1	0	-45	.25	2.007
2	-11.4	-37.76	.252	2.023
3	-23.4	-30	.26	2.088
4	-36.7	-21.1	.275	2.208
5	-50.6	-11.1	.304	2.441
6	-63.6	0	.334	2.842
7	-70.1	8	.405	3.252
8	-72.5	15.2	.467	3.73
9	-69.9	21.78	.536	4.304
10	-65.5	25.66	.582	4.673
11	-58.1	29.6	.63	5.058
12	-50	32.7	.667	5.355
13	-38.4	36.2	.704	5.653
14	-25.1	39.5	.731	5.869
15	-12.1	42.4	.746	5.99
16	0	45	.75	6.022

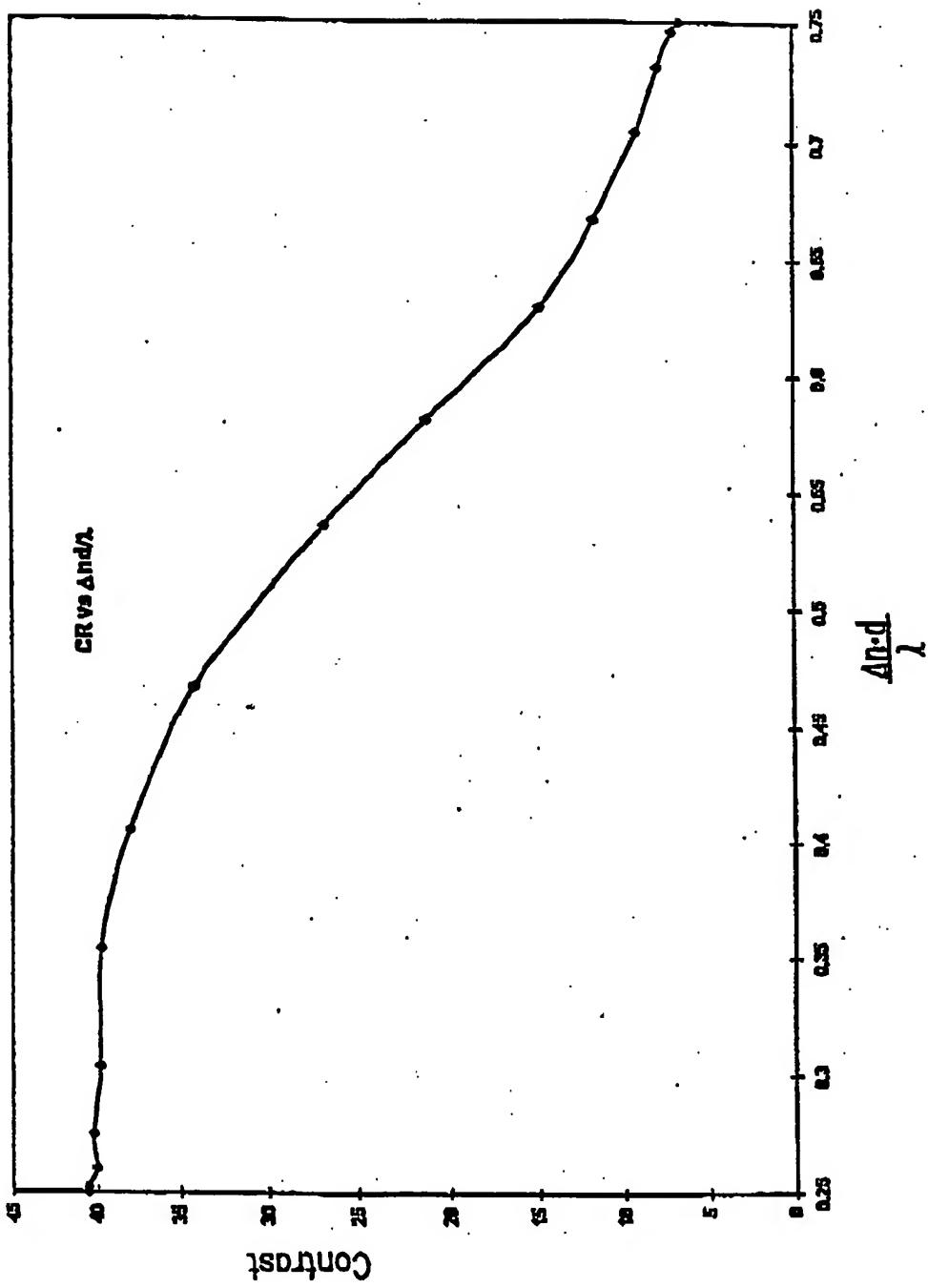
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FIG. 4



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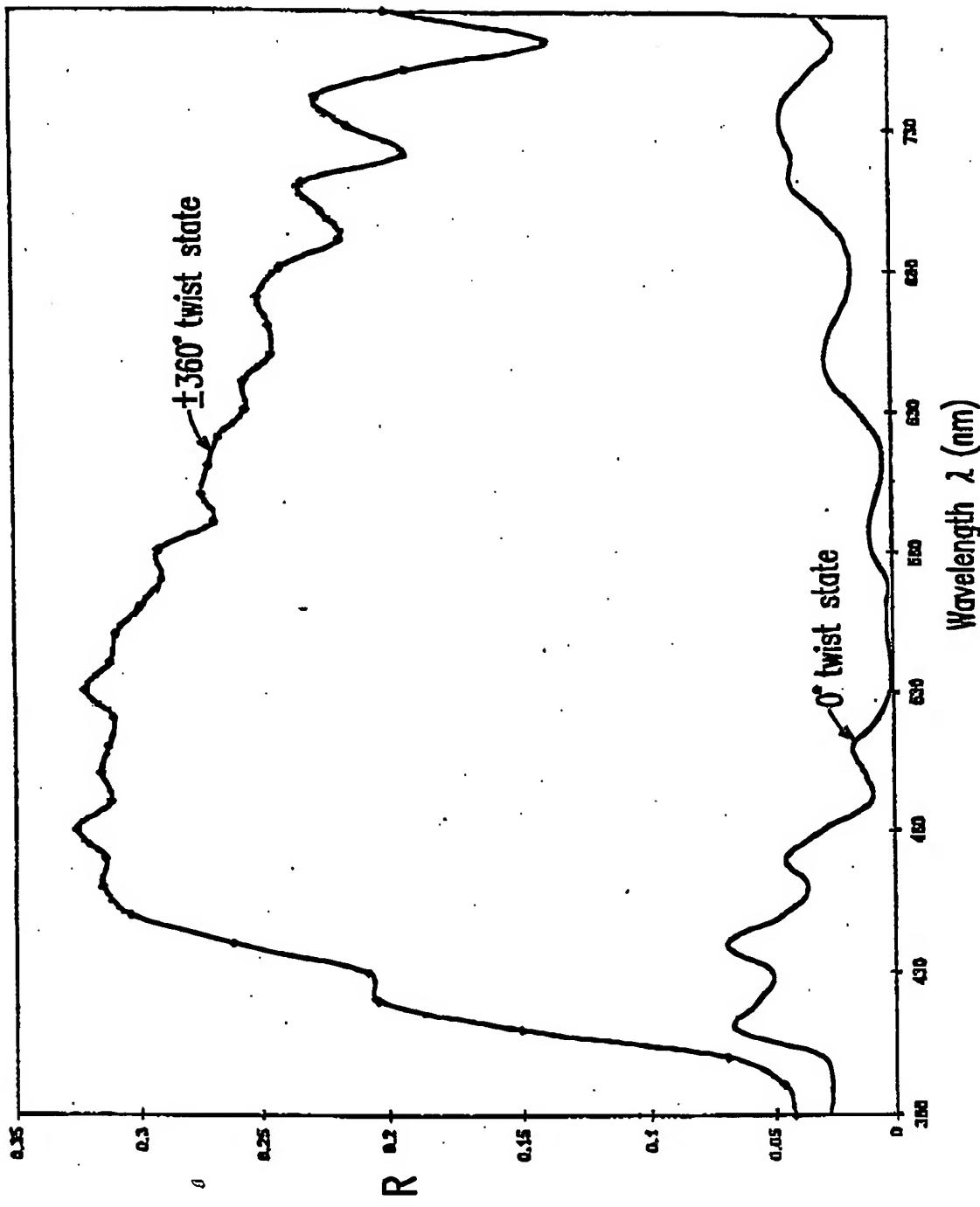
FIG. 5



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FIG. 6



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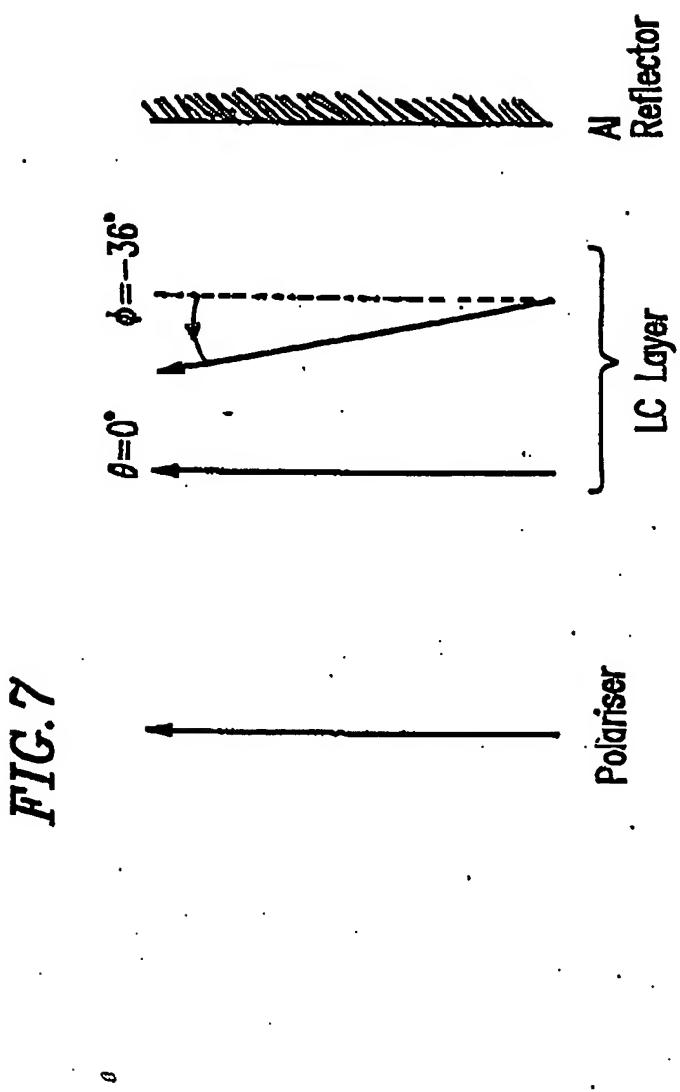
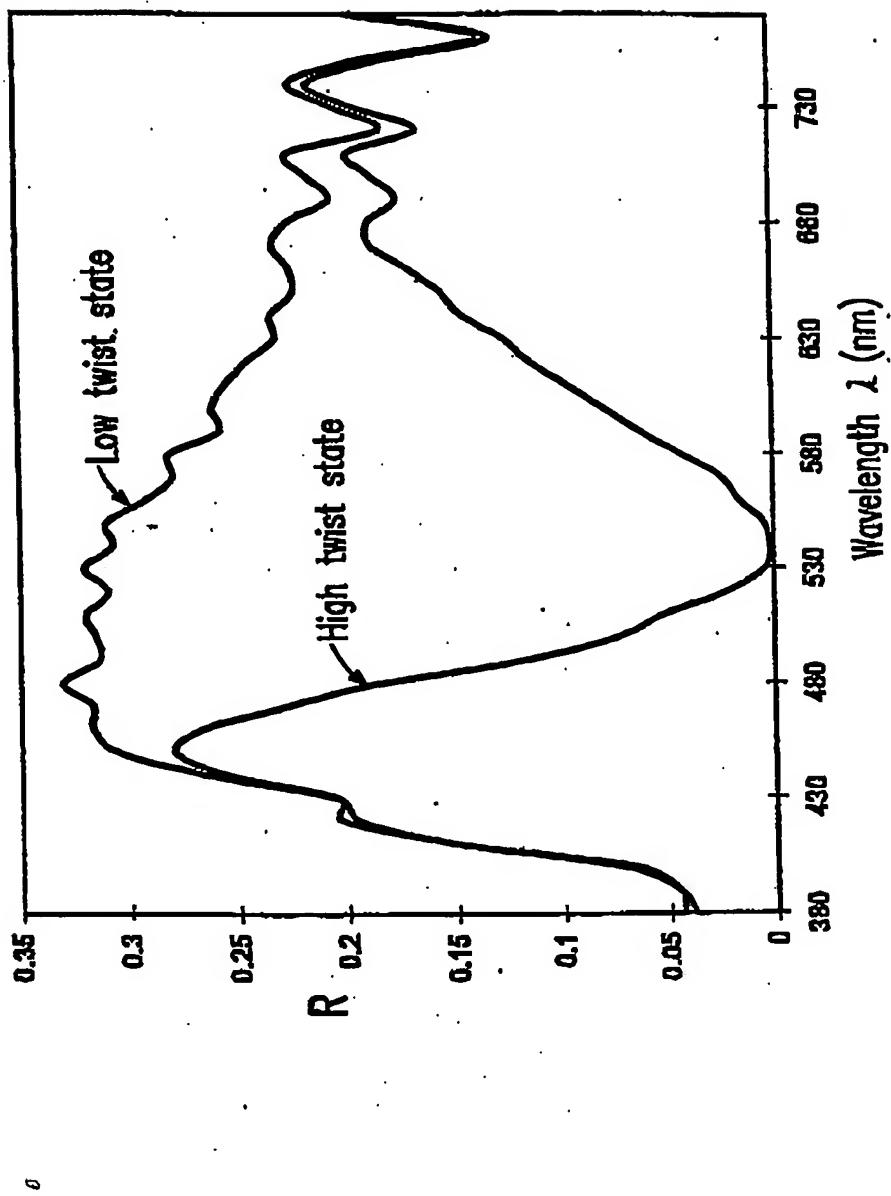


FIG. 7

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FIG. 8



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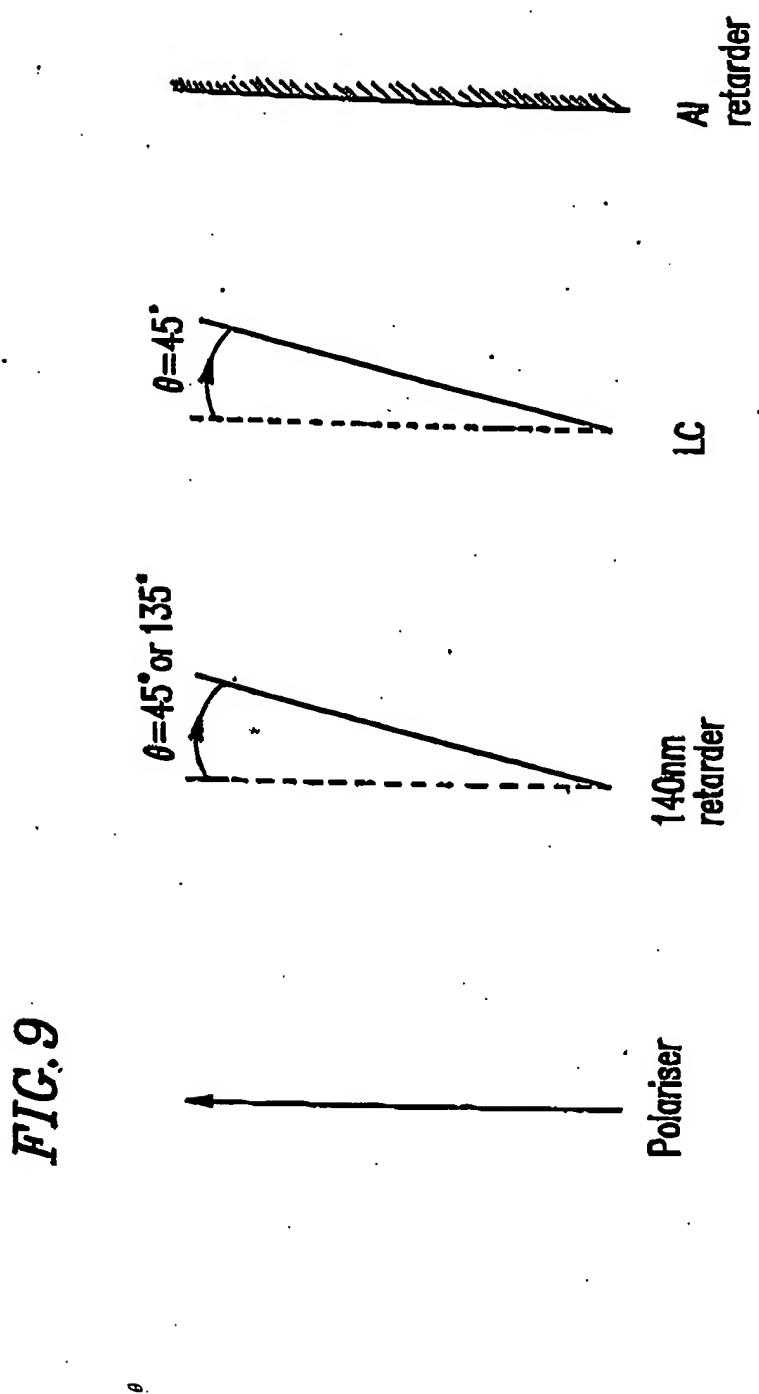
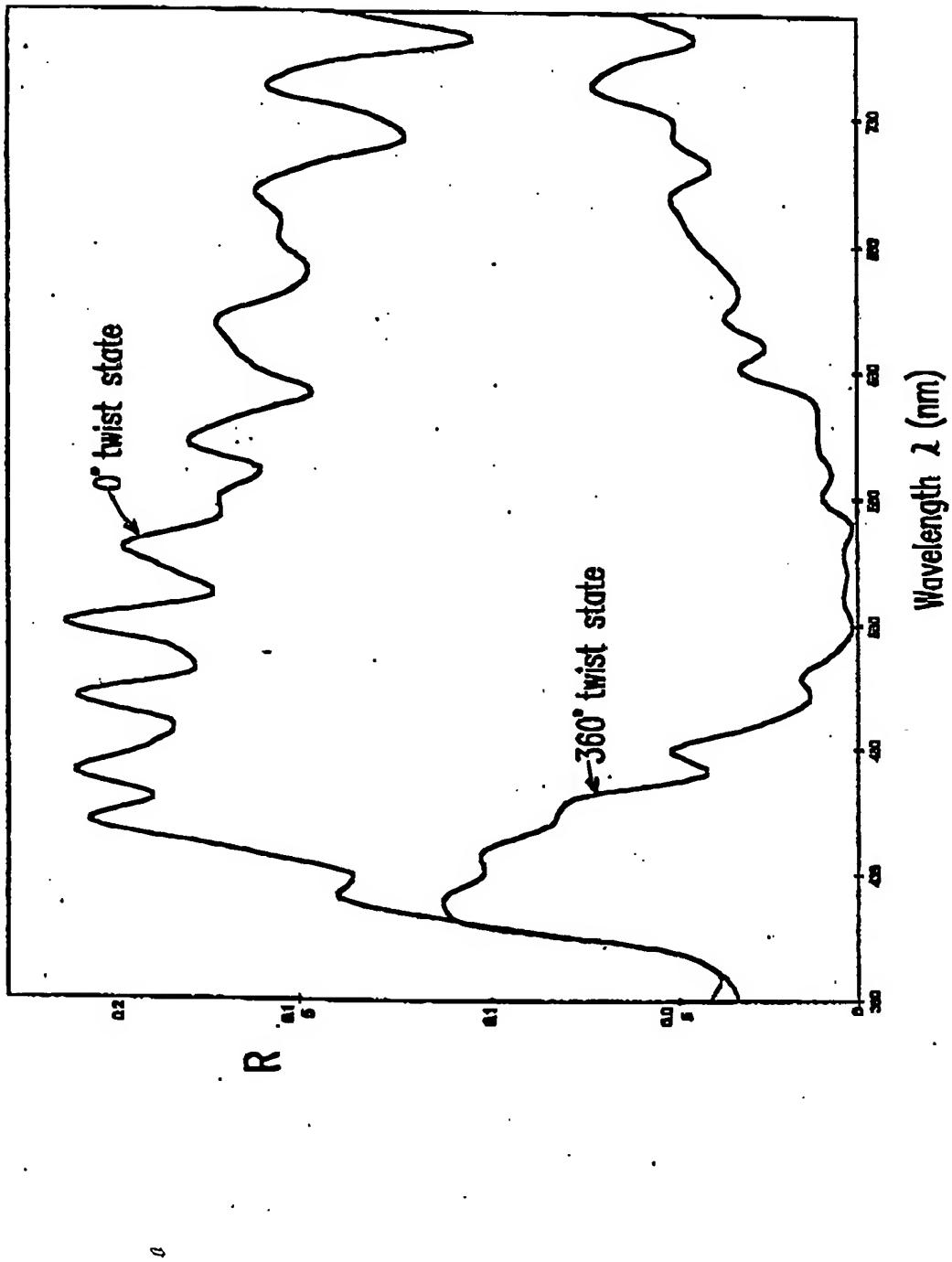


FIG. 9

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FIG. 10



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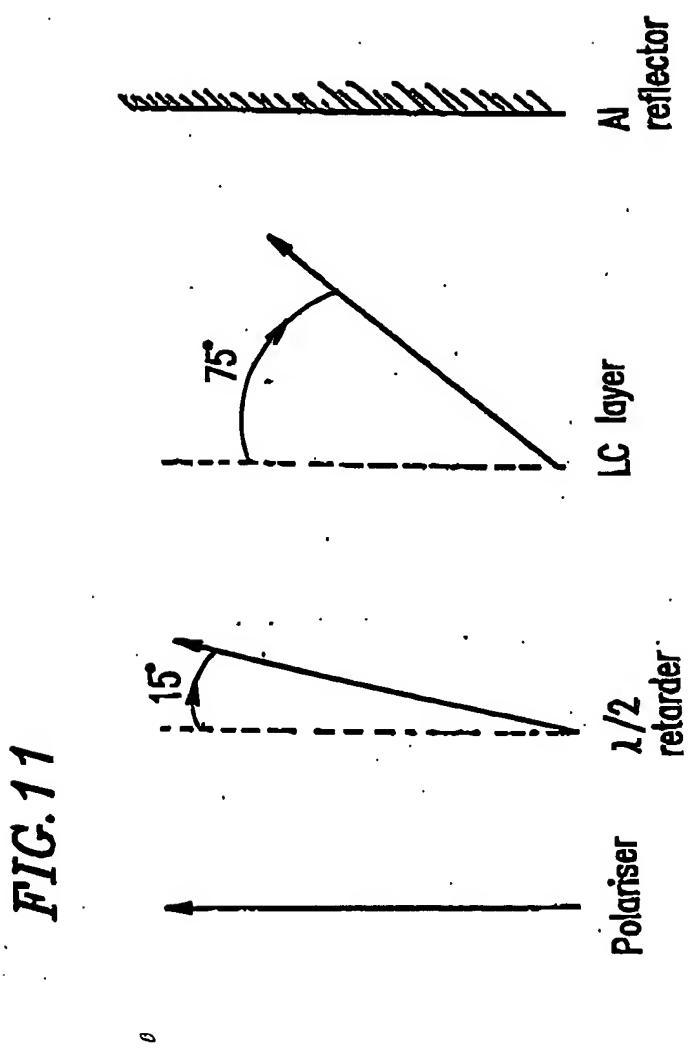


FIG. 11

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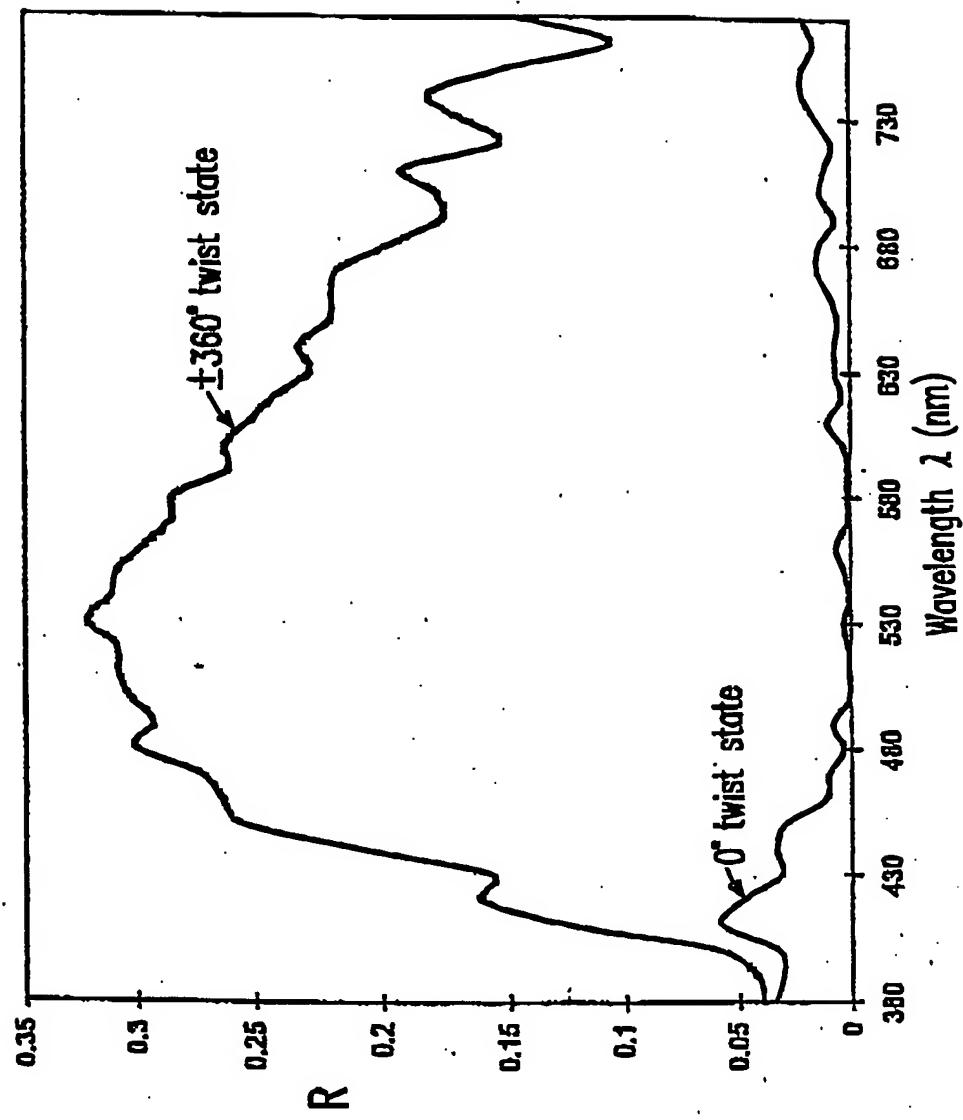


FIG. 12

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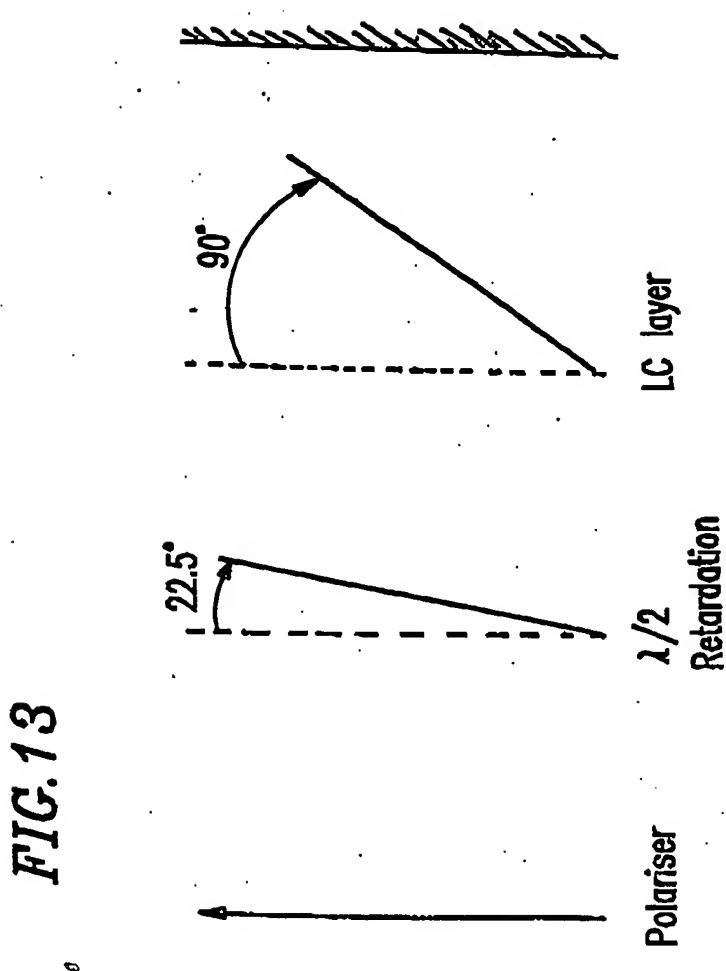
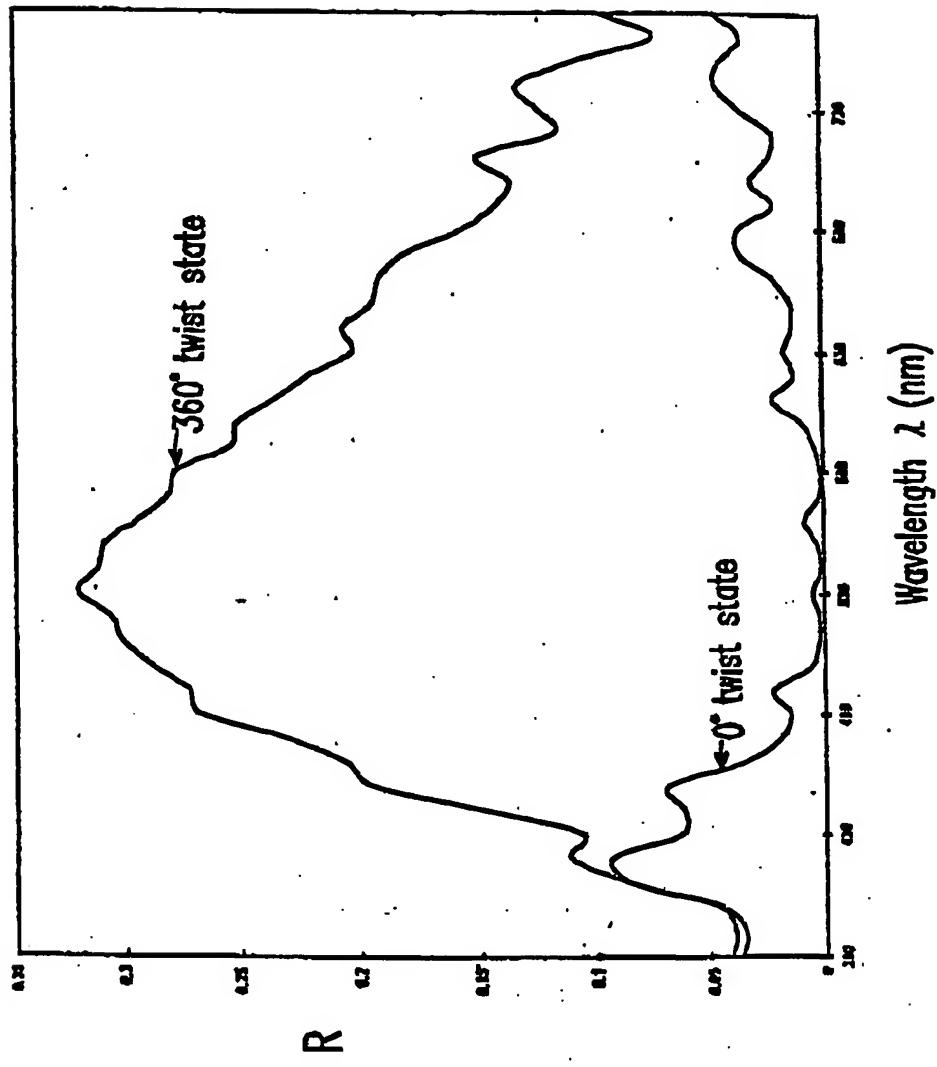


FIG. 13

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FIG. 14



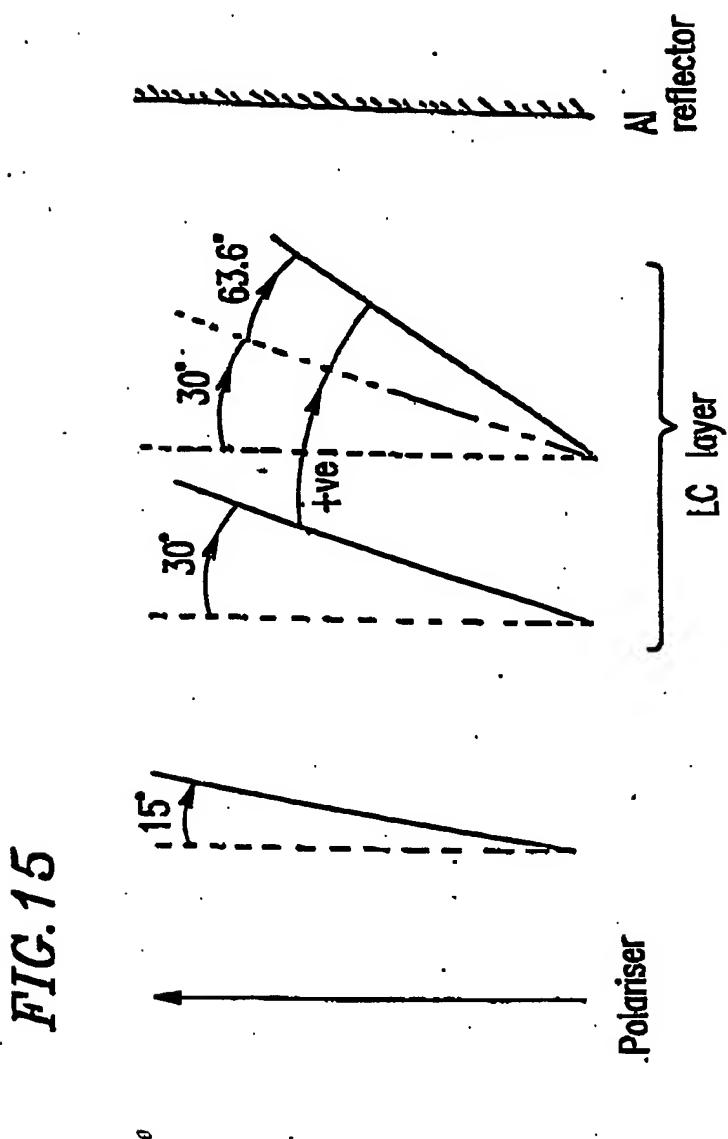


FIG. 15

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FIG. 16

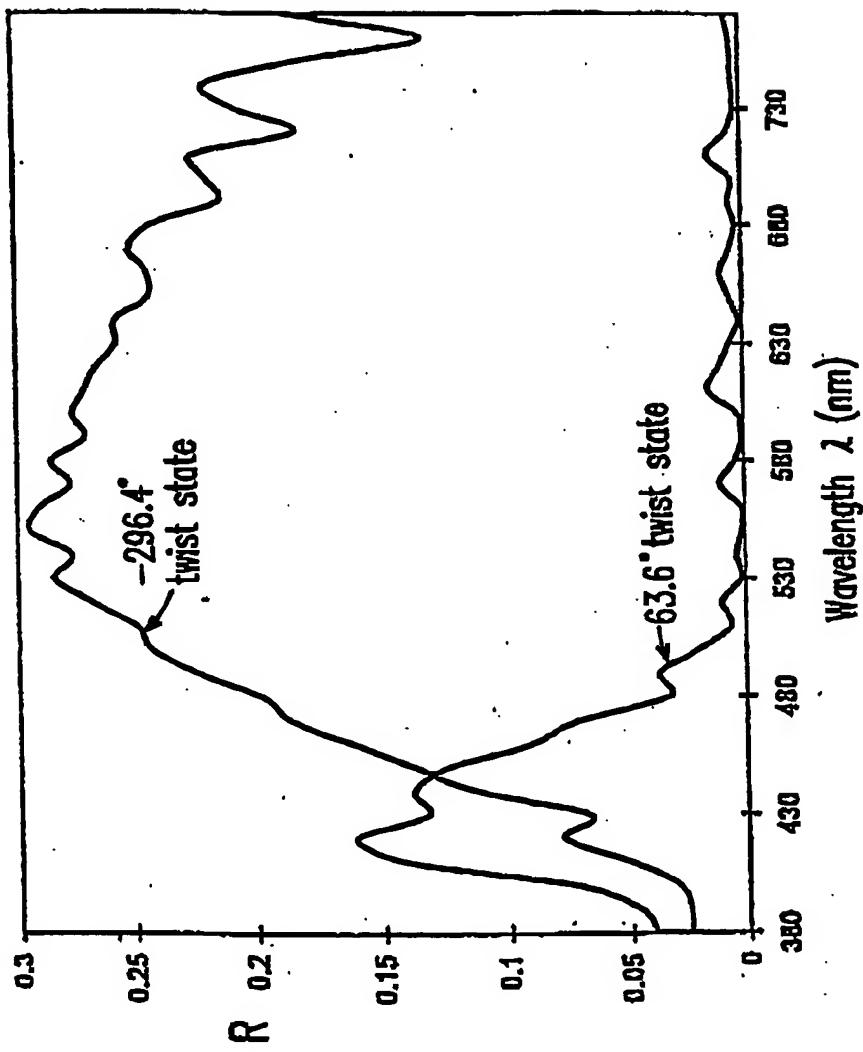
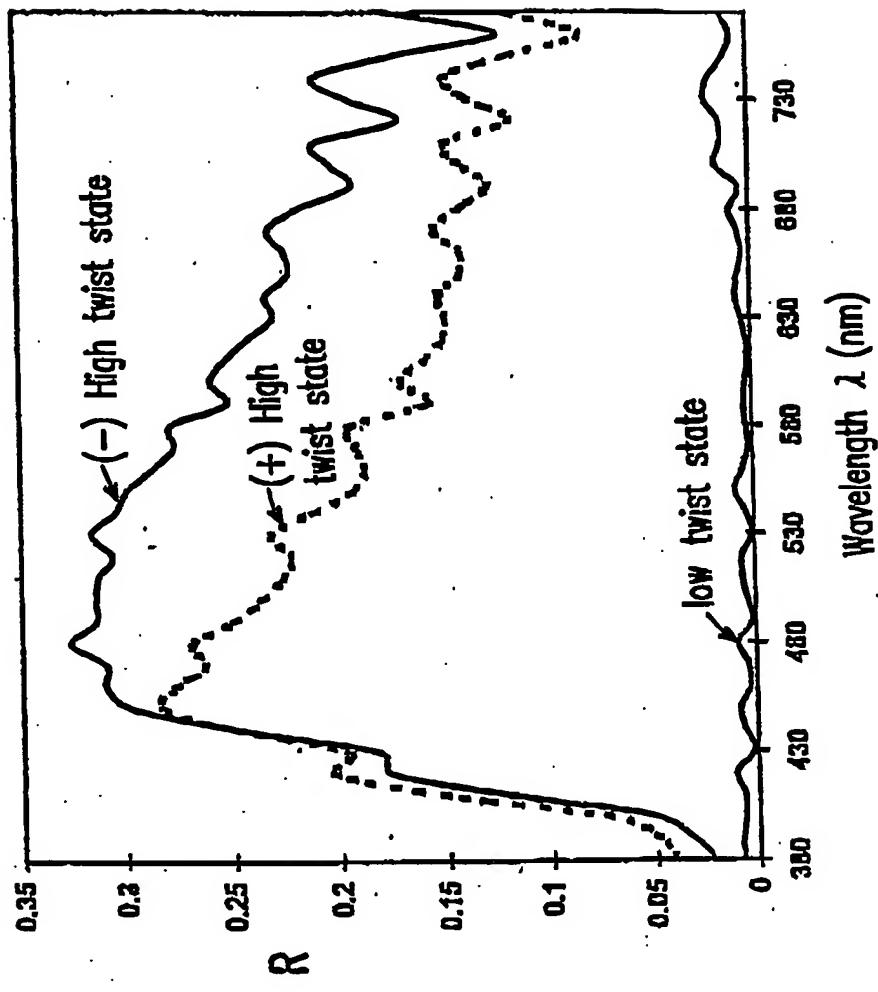


FIG. 17



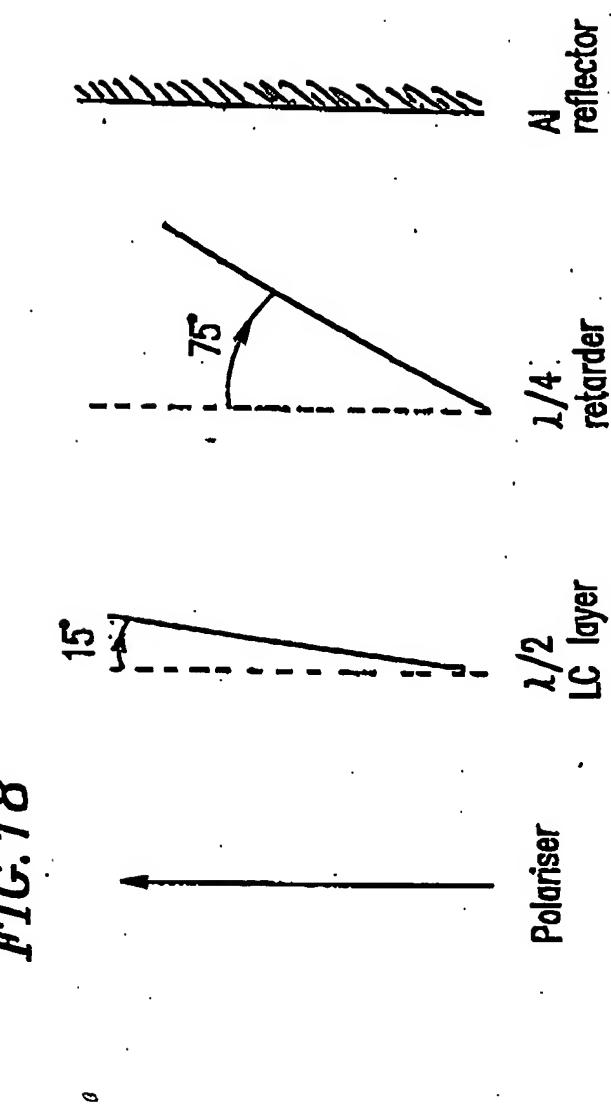
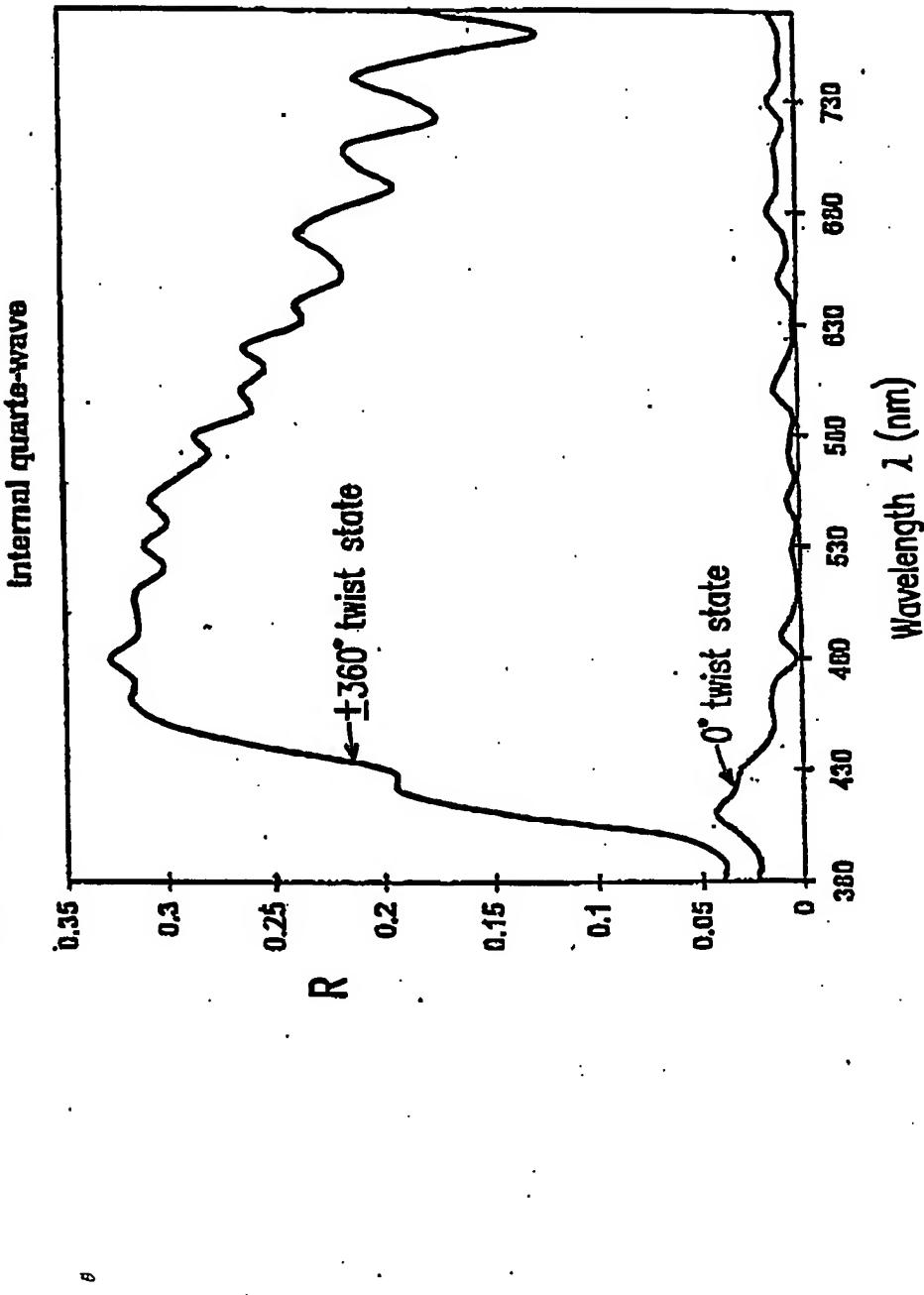
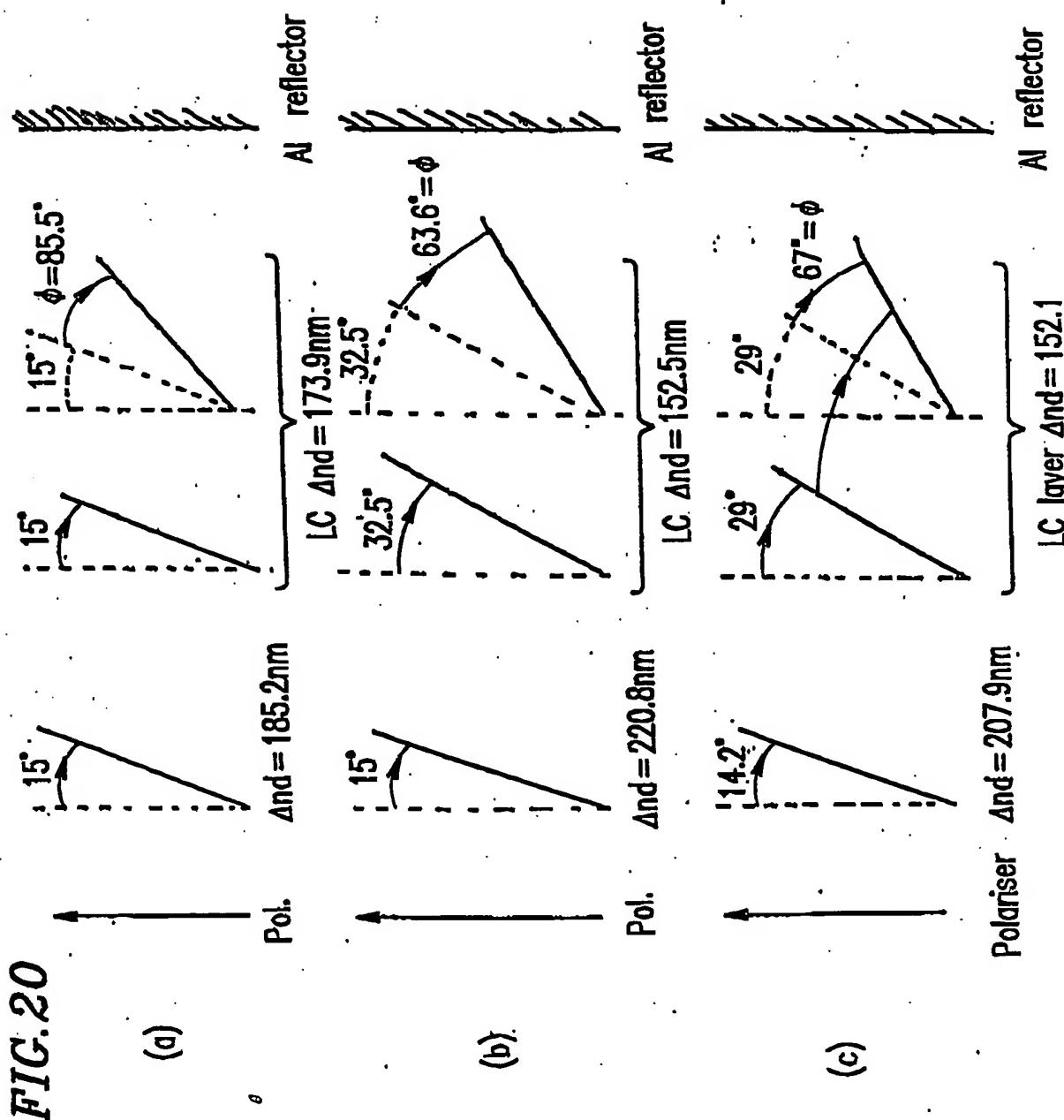


FIG. 18

FIG. 19





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FIG. 21

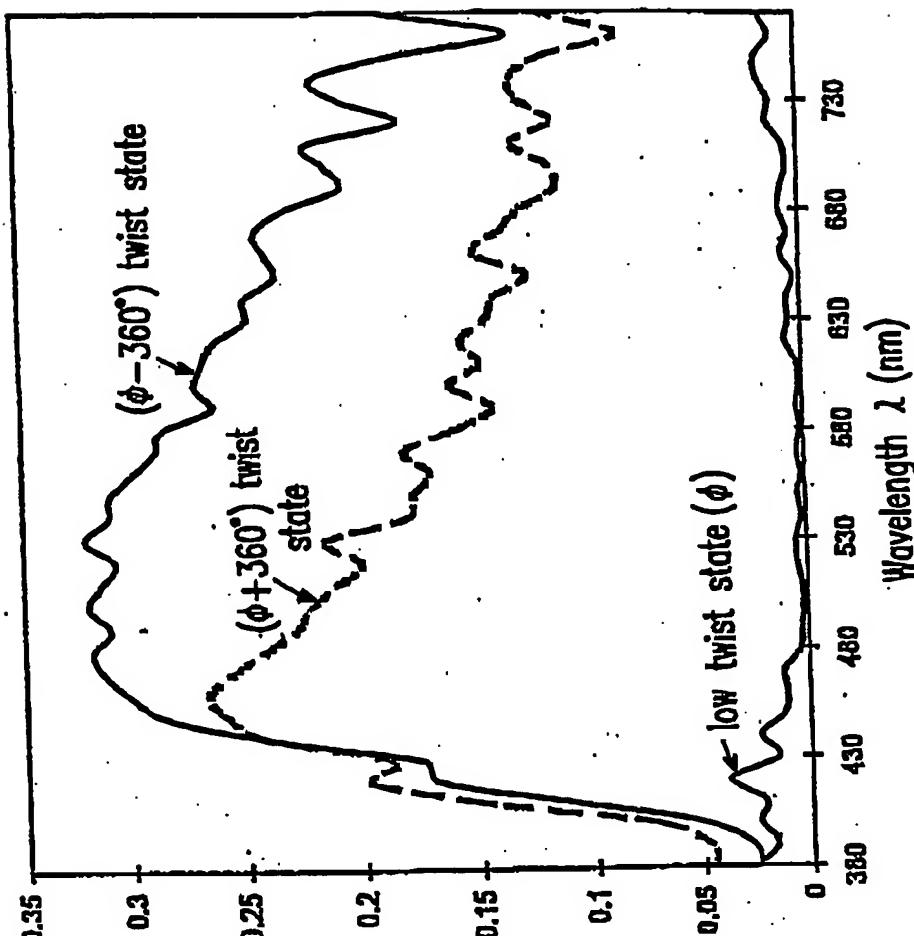
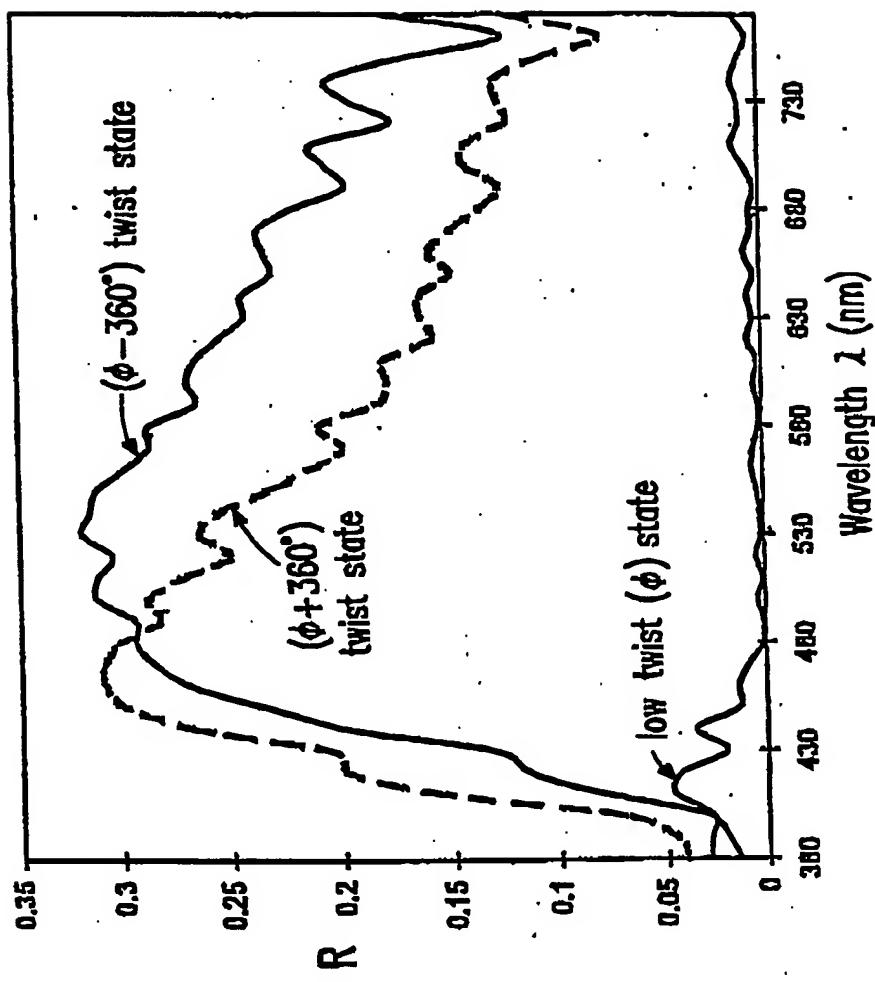
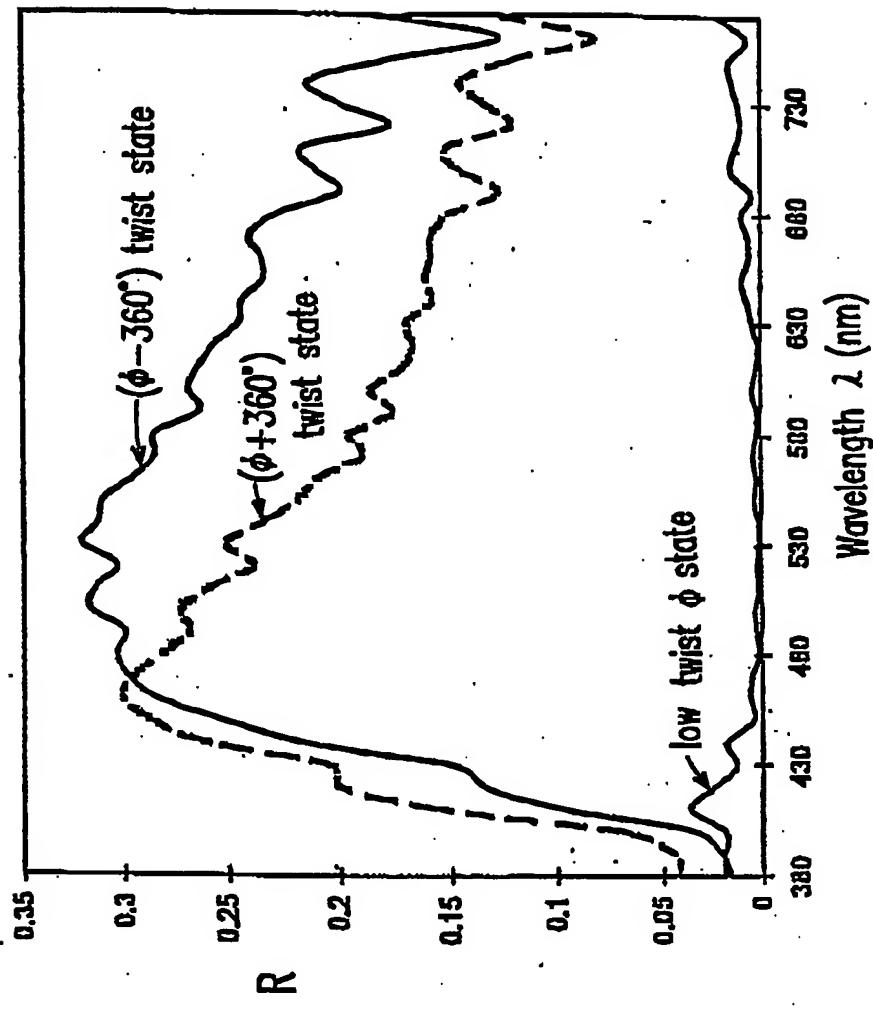


FIG. 22



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FIG. 23



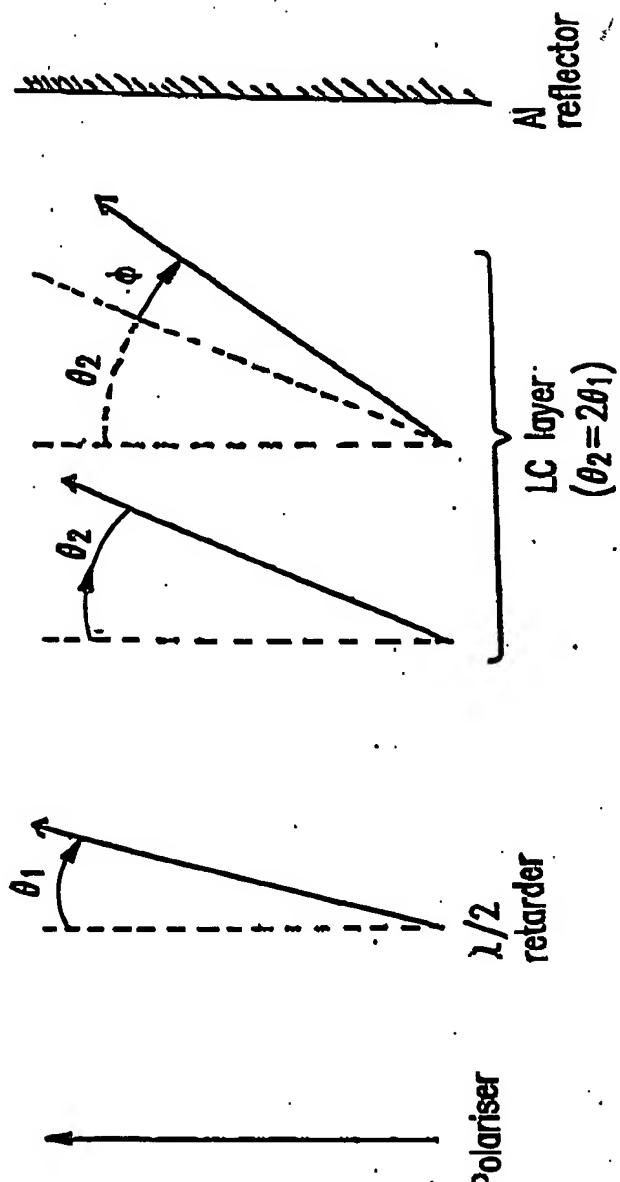
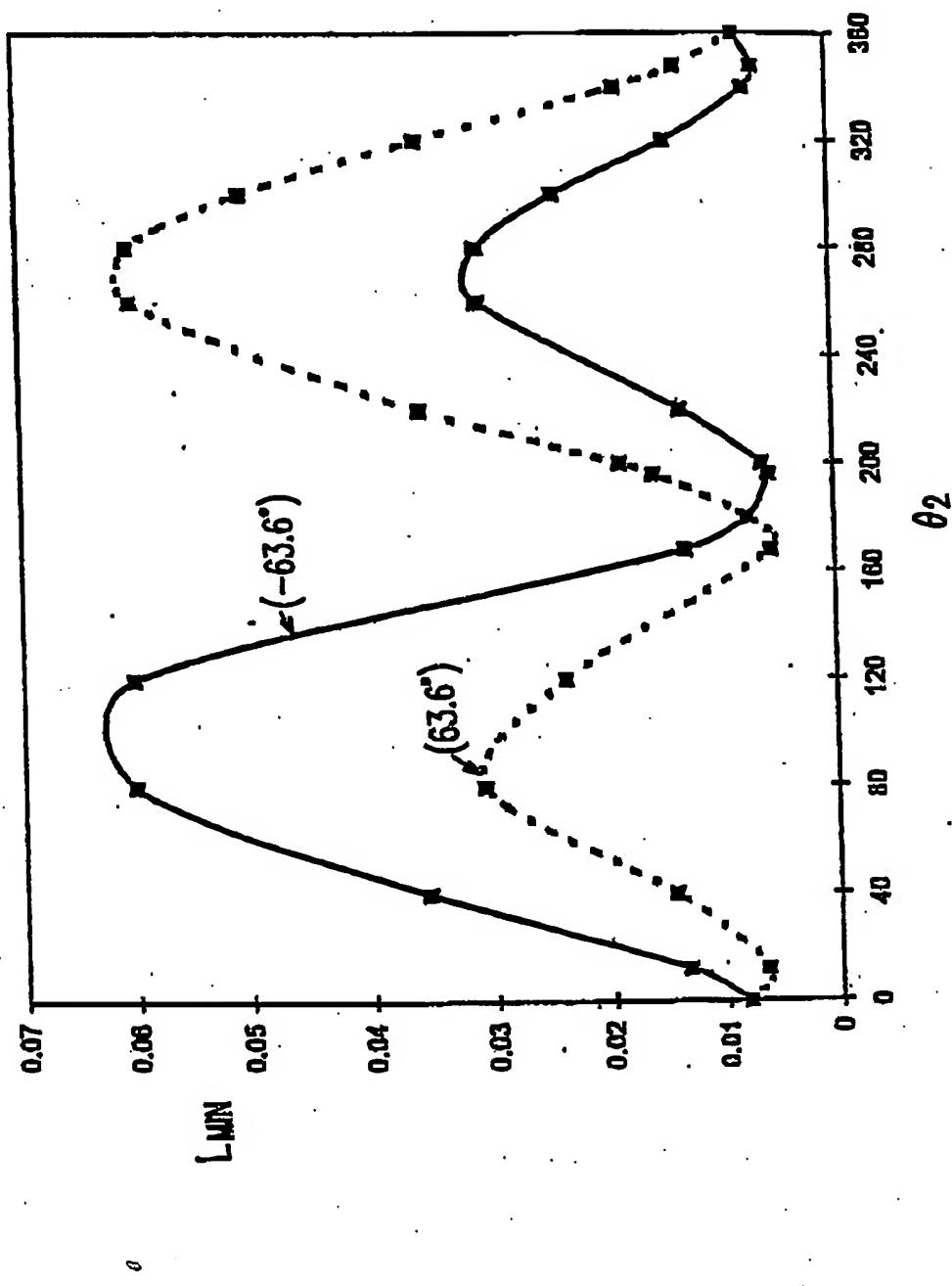


FIG. 24

FIG. 25



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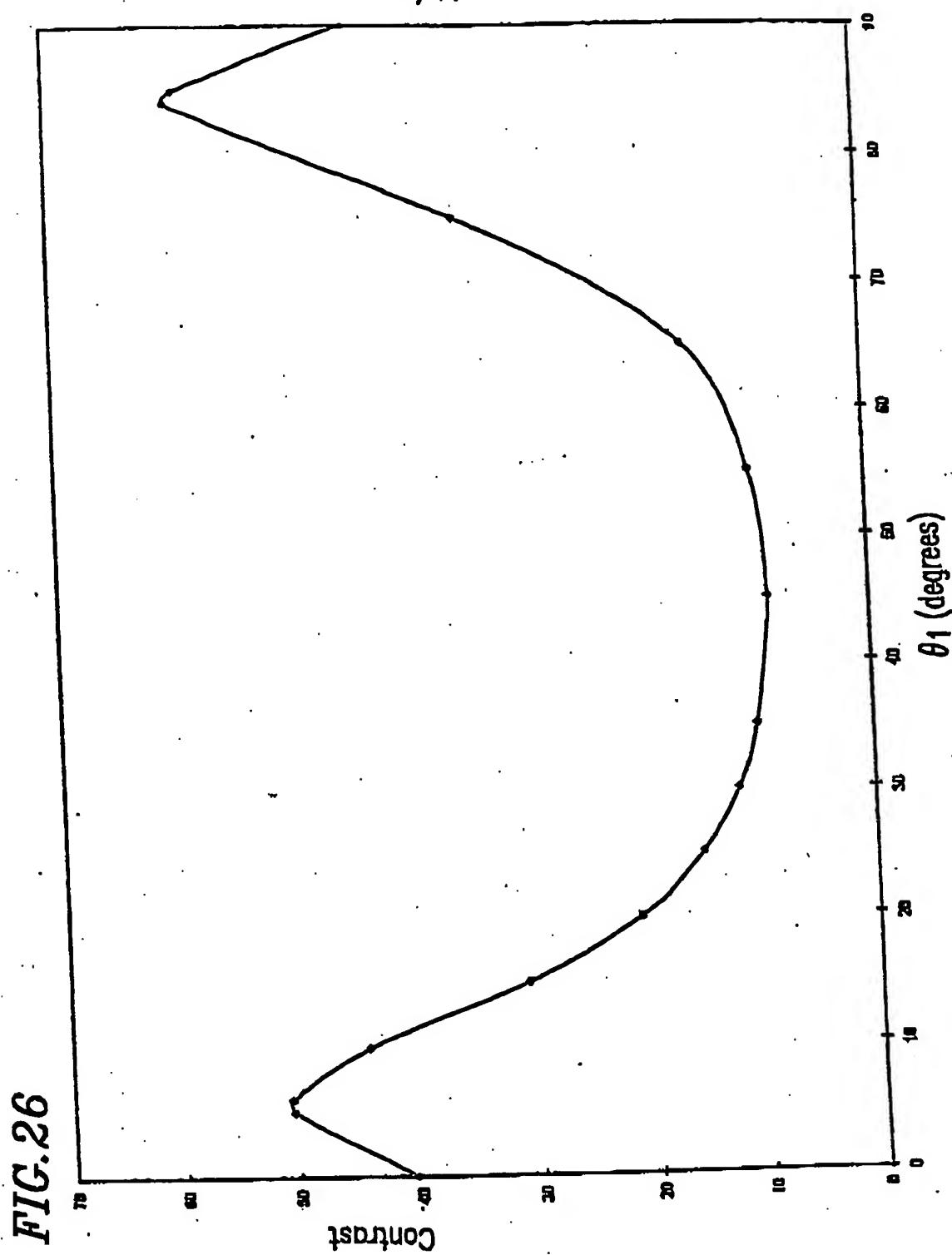


FIG. 26

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FIG. 27

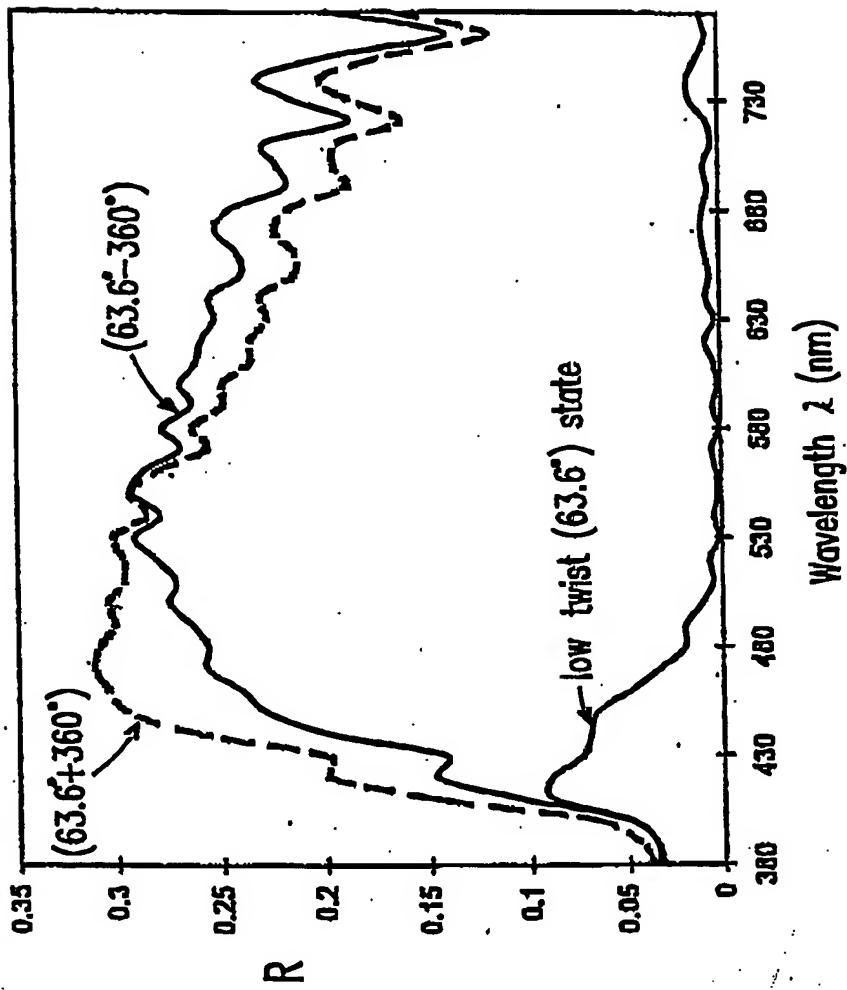
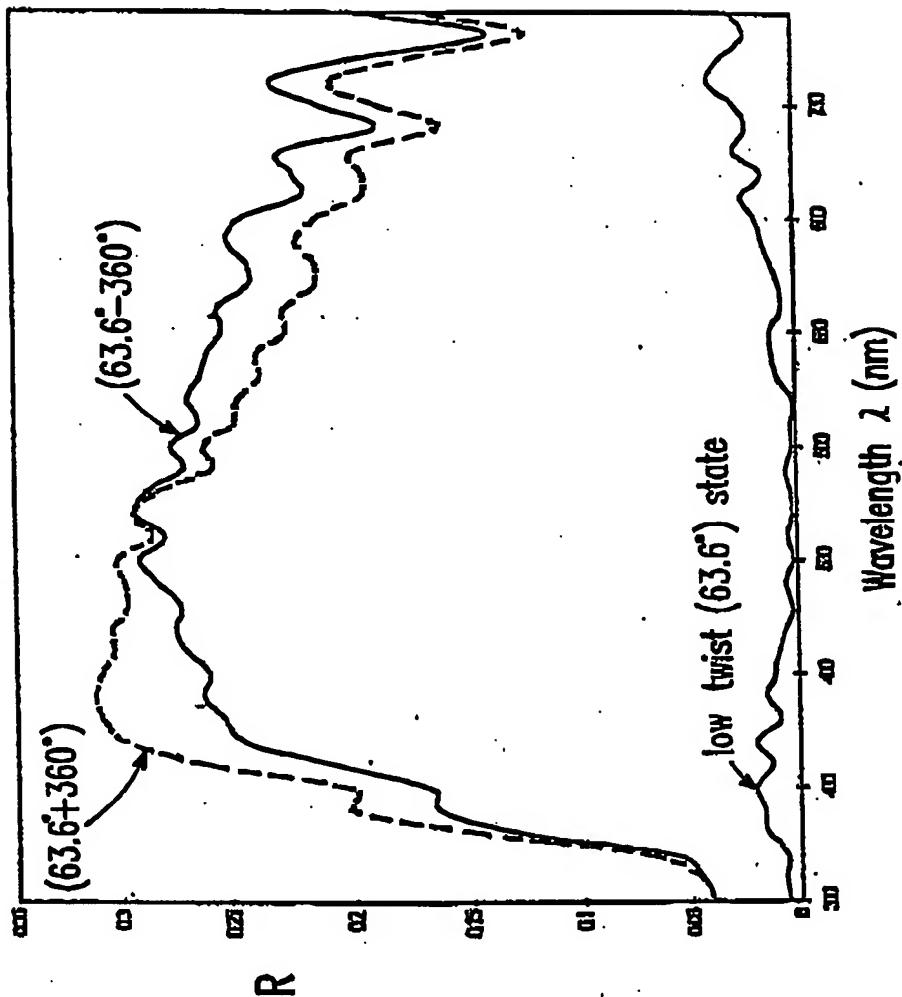


FIG. 28



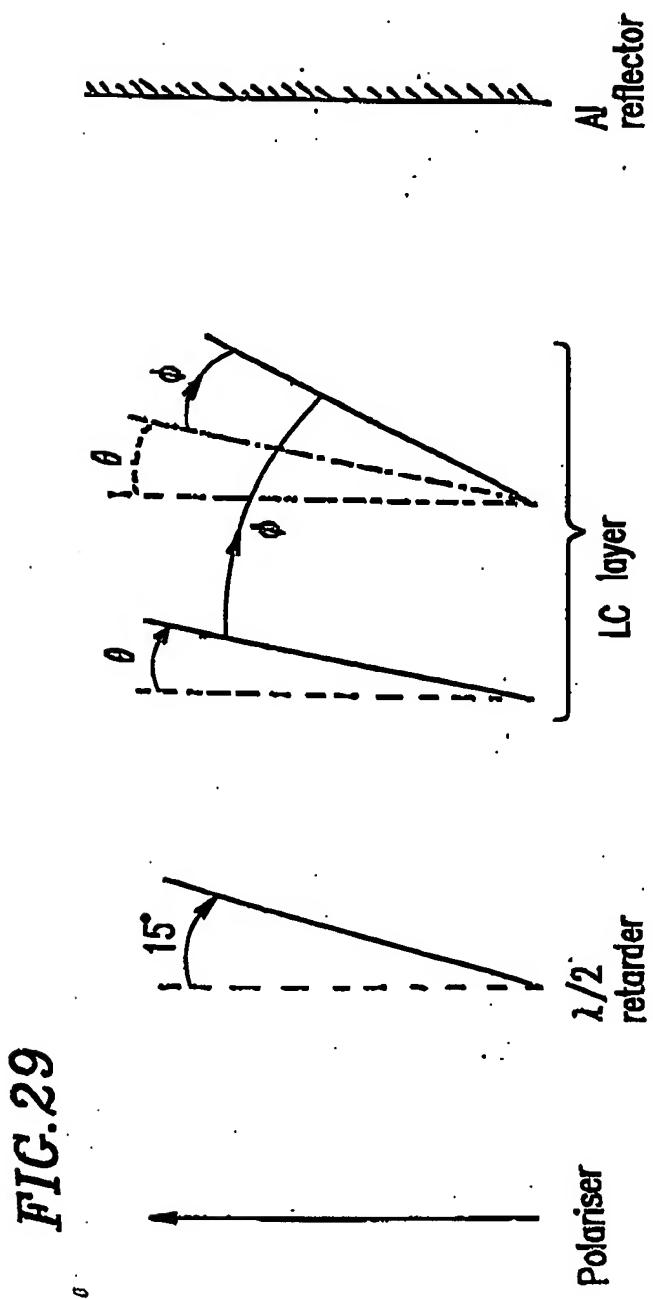
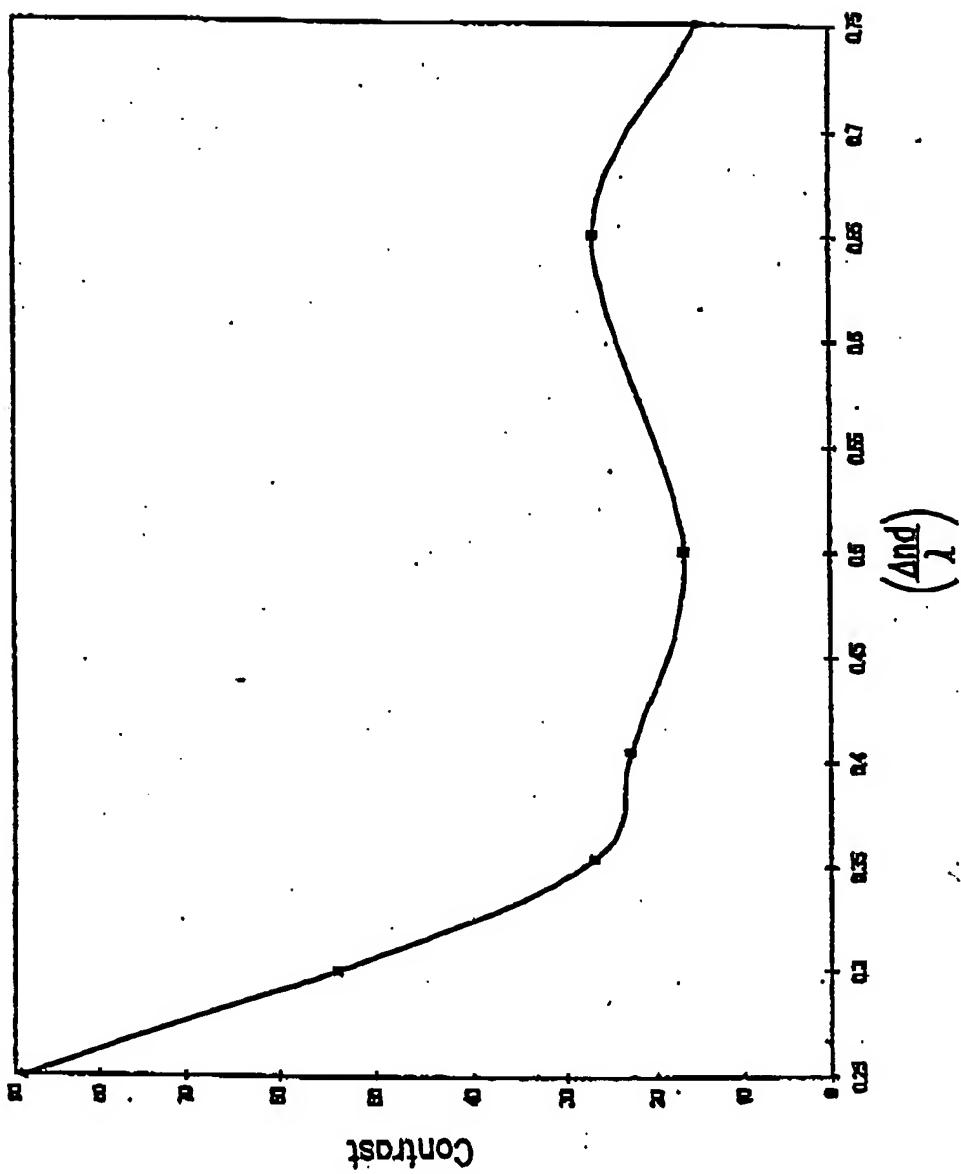


FIG. 29

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FIG. 30



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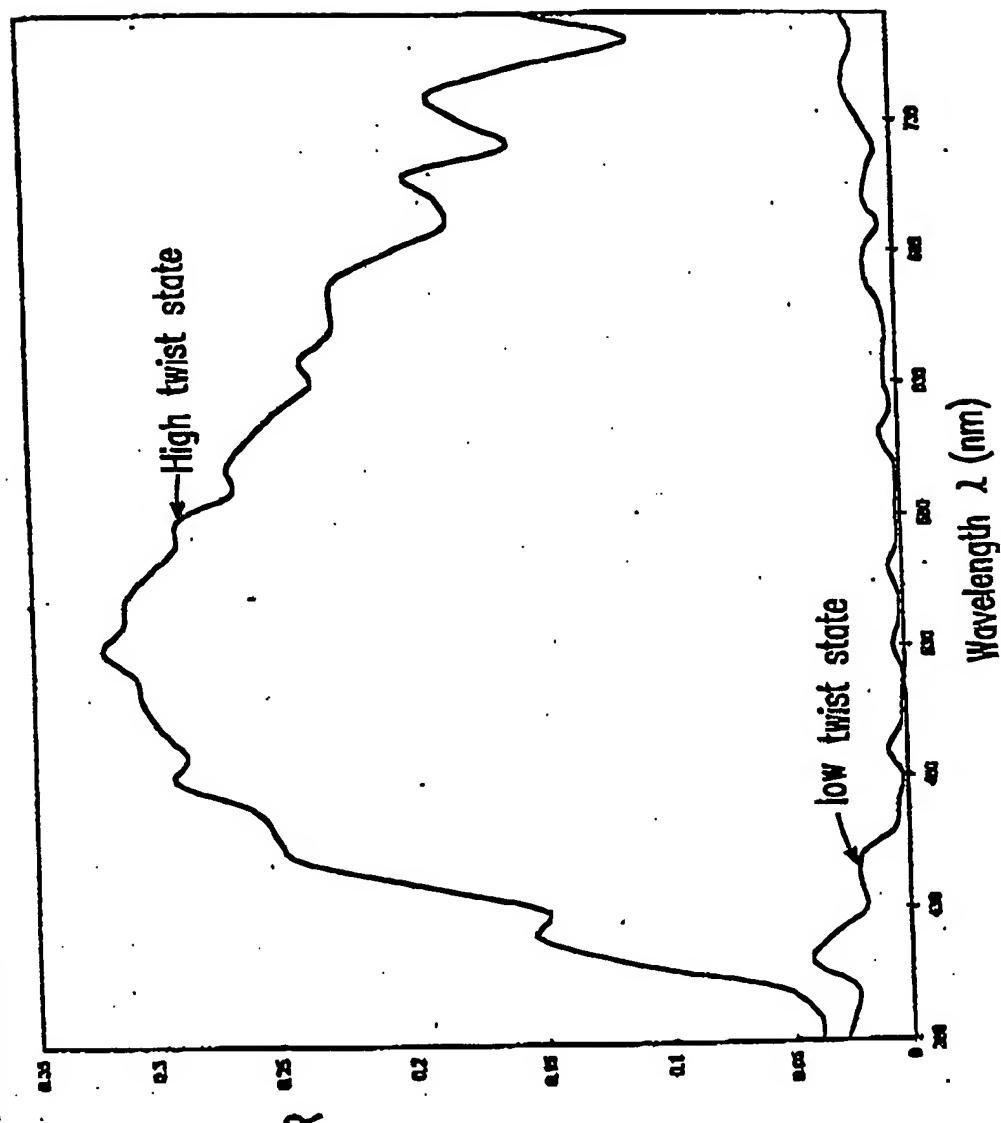


FIG. 31

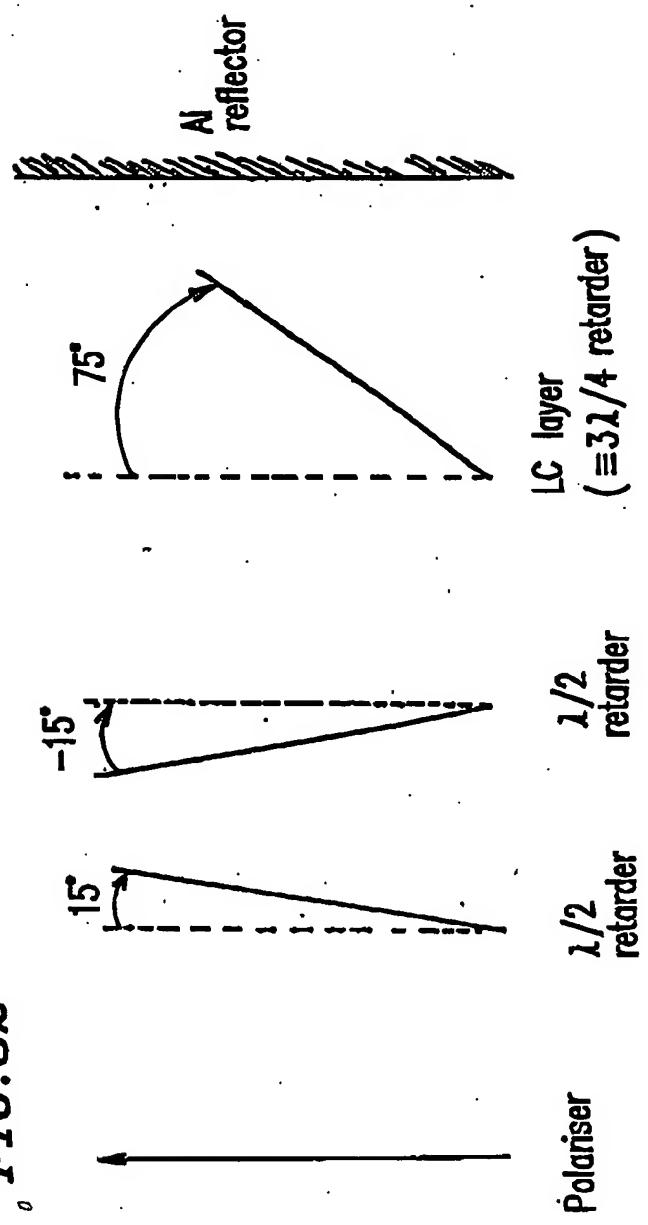
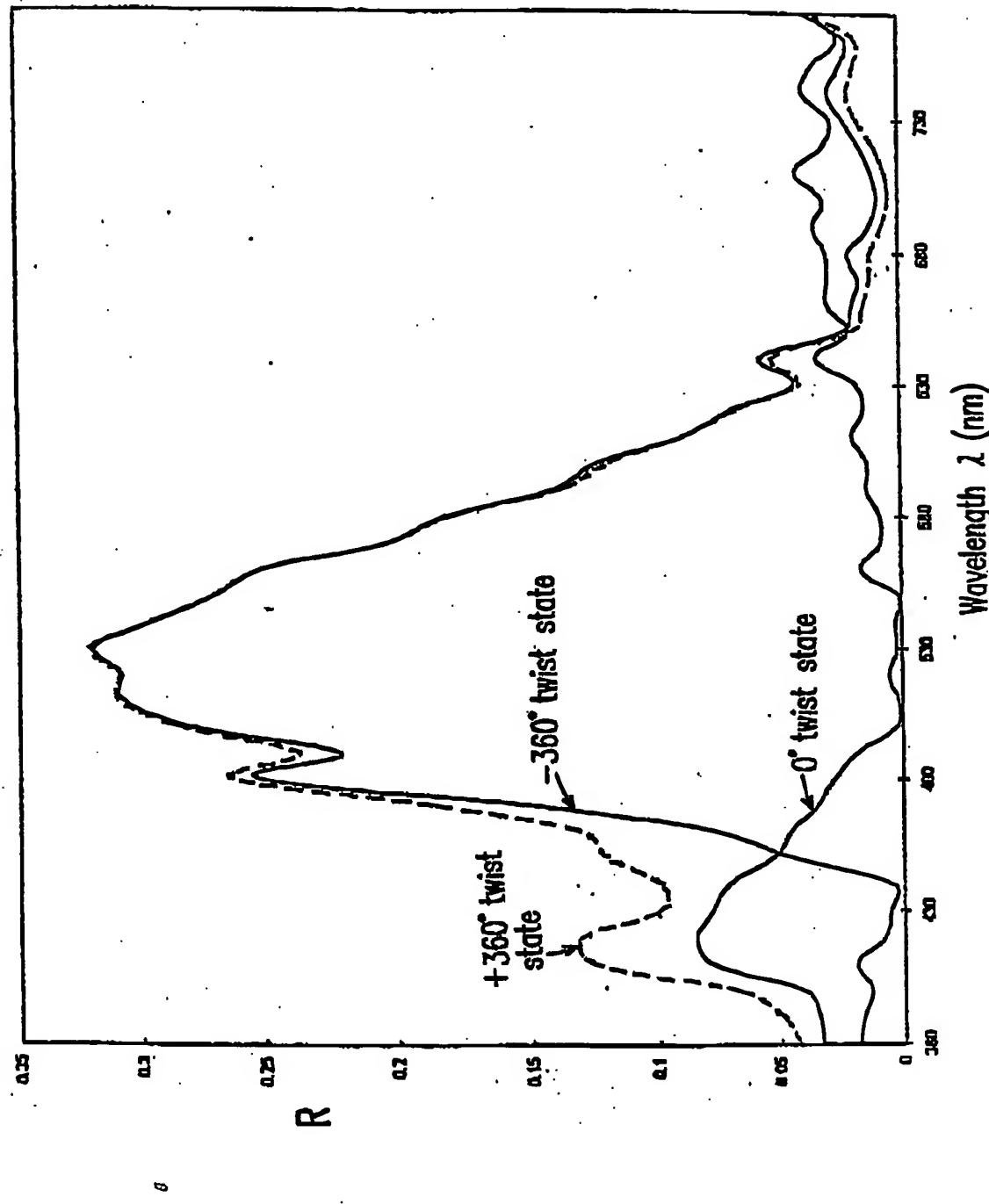


FIG. 32

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FIG. 33



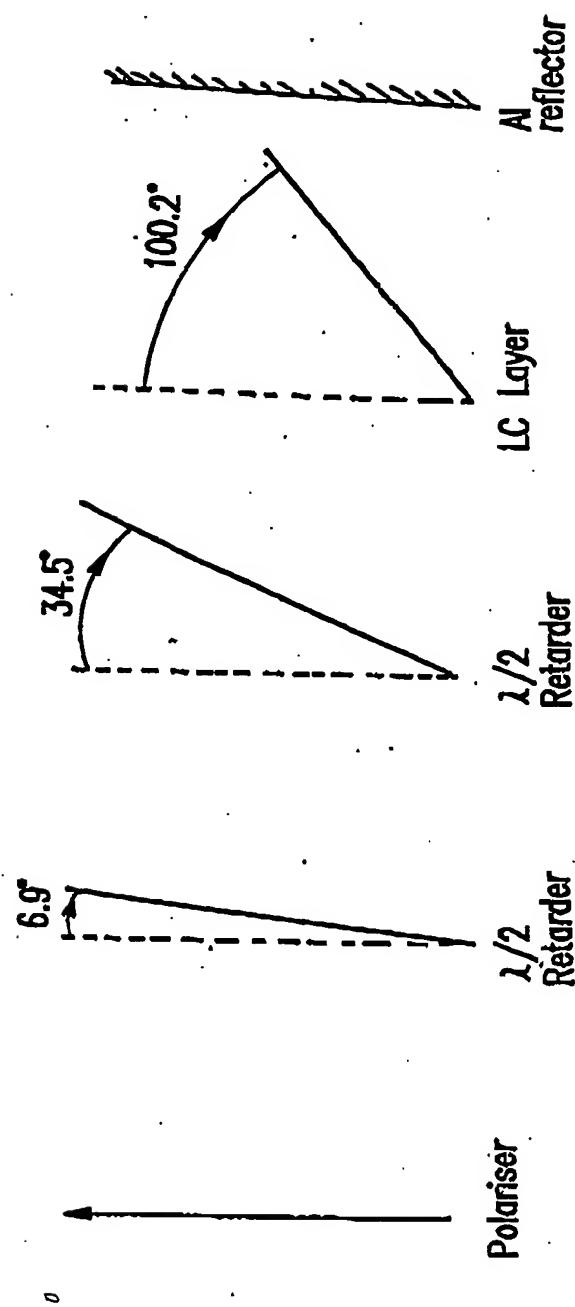
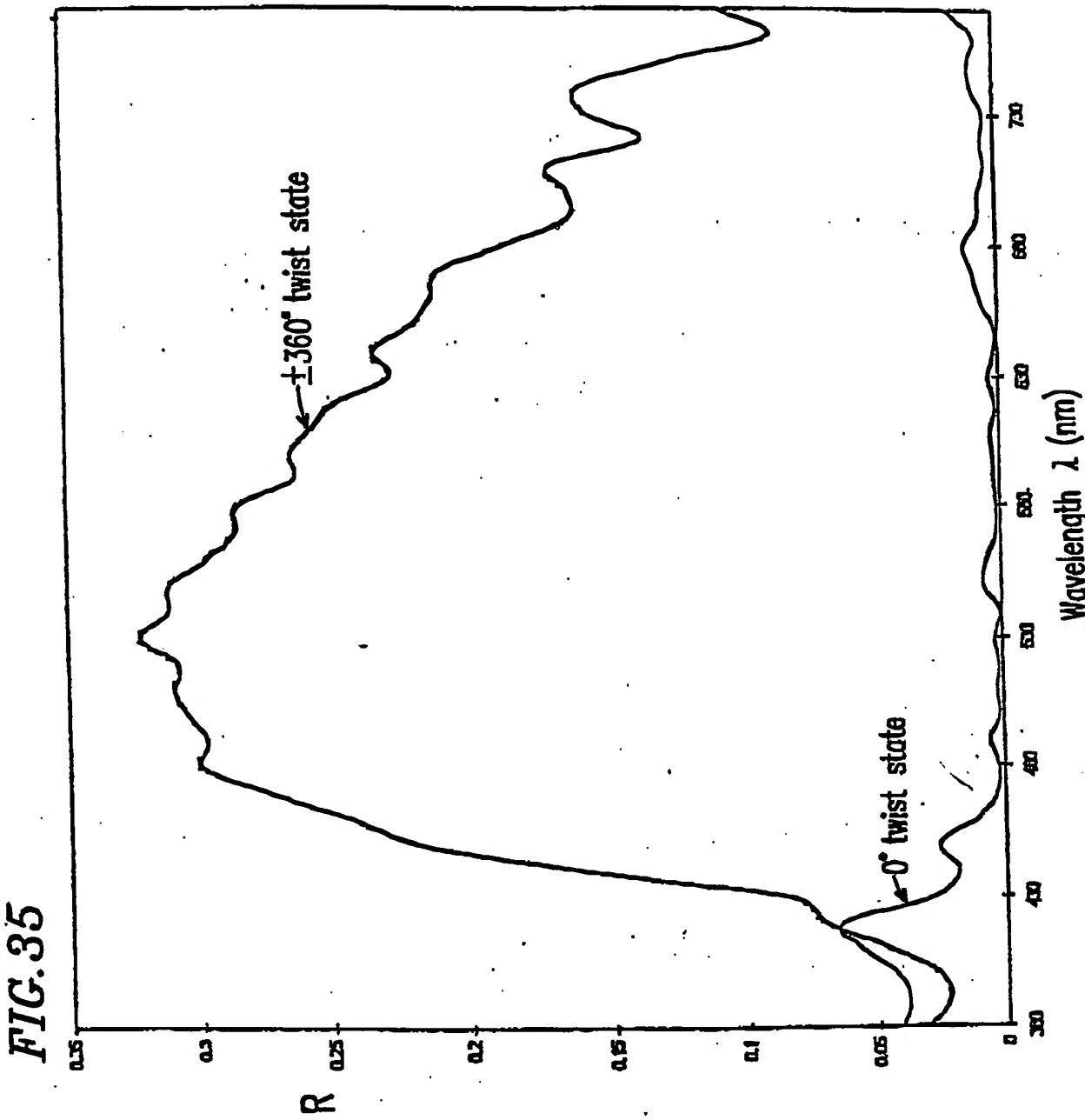
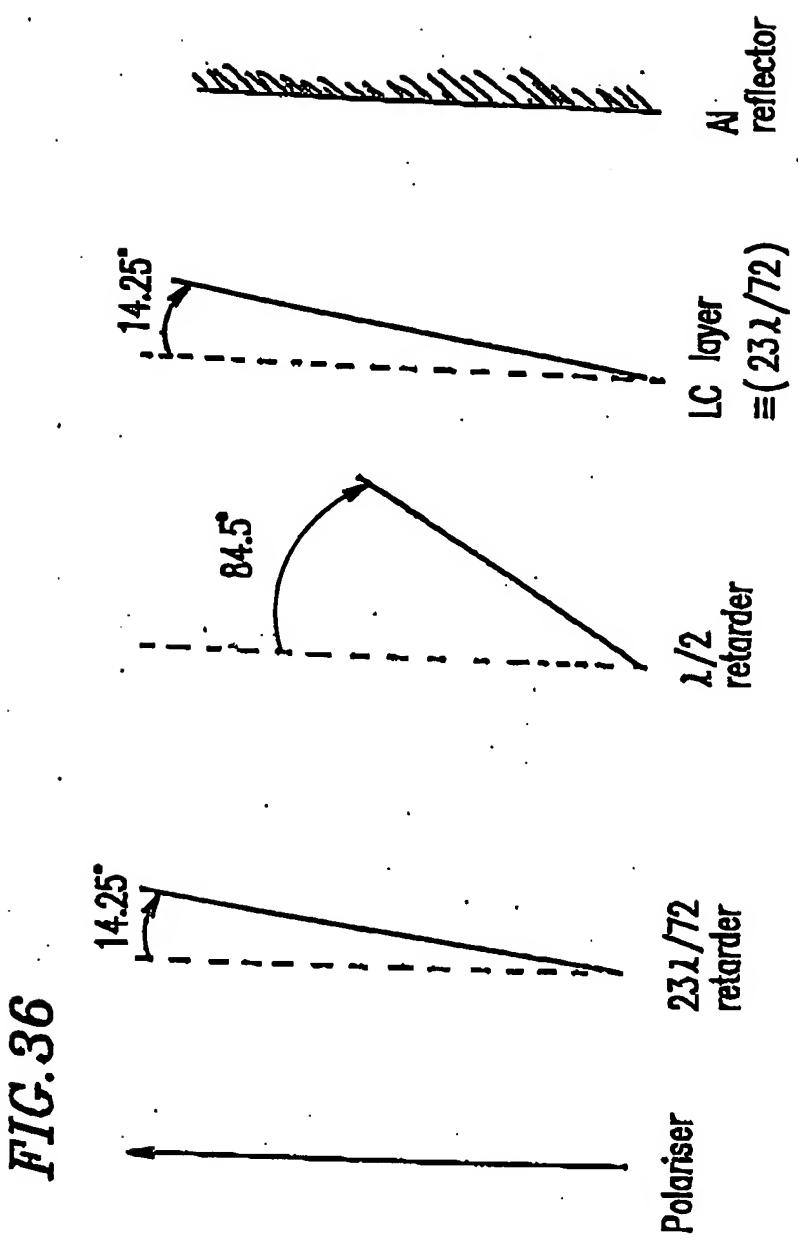


FIG. 34

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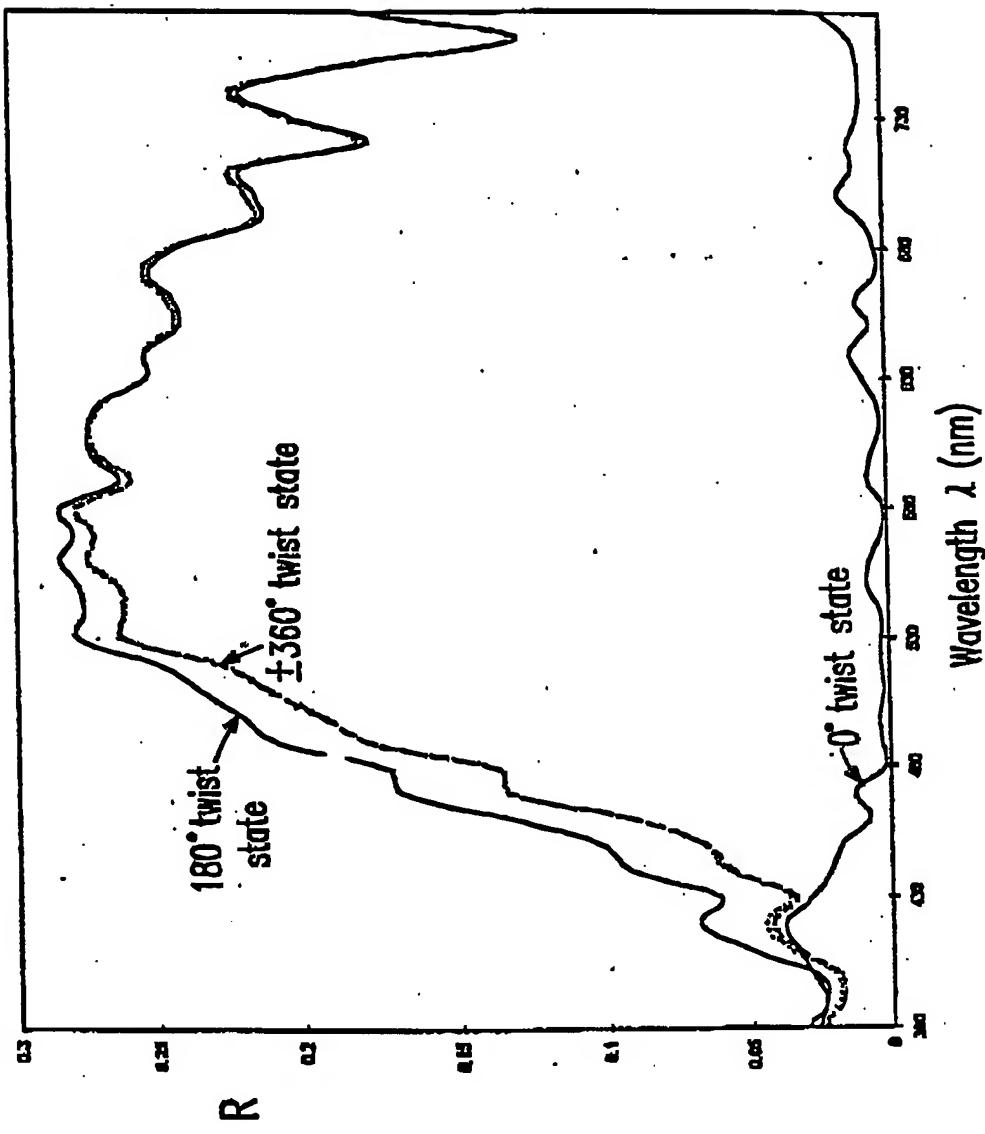




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FIG. 37



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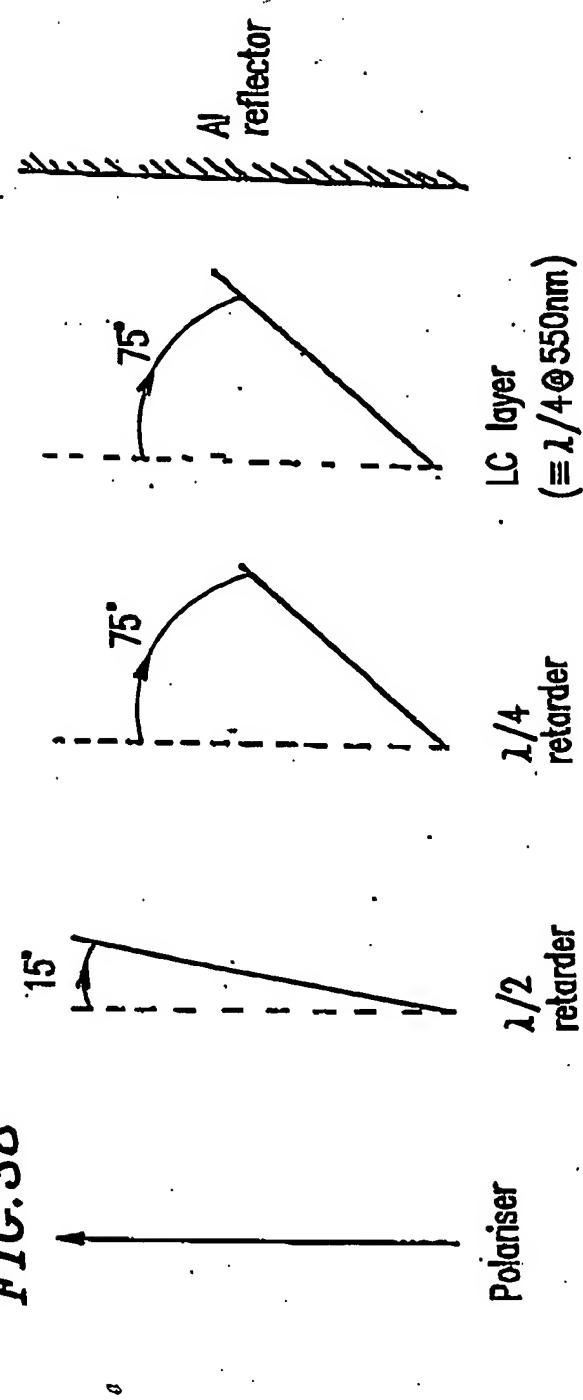
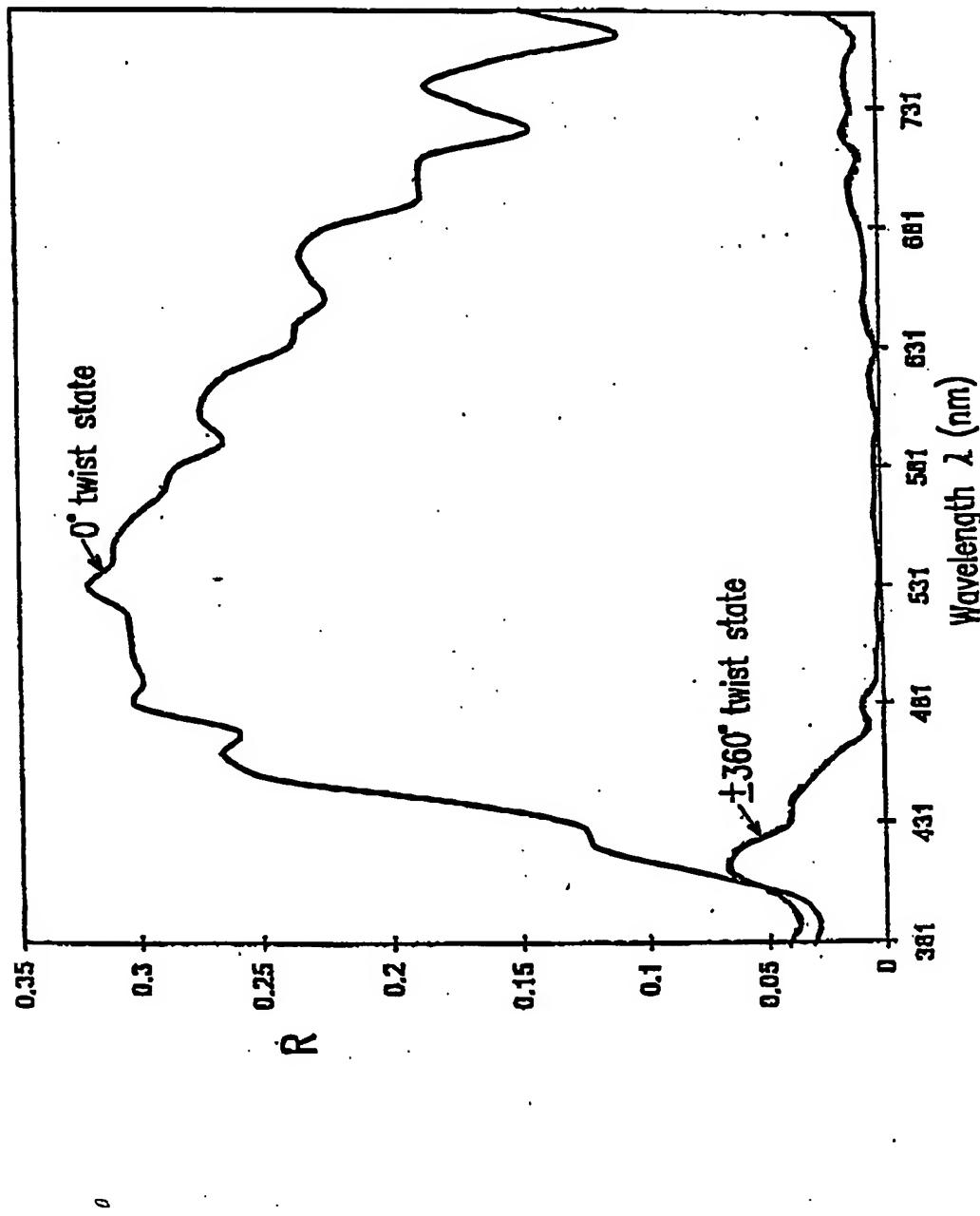


FIG. 38

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FIG. 39



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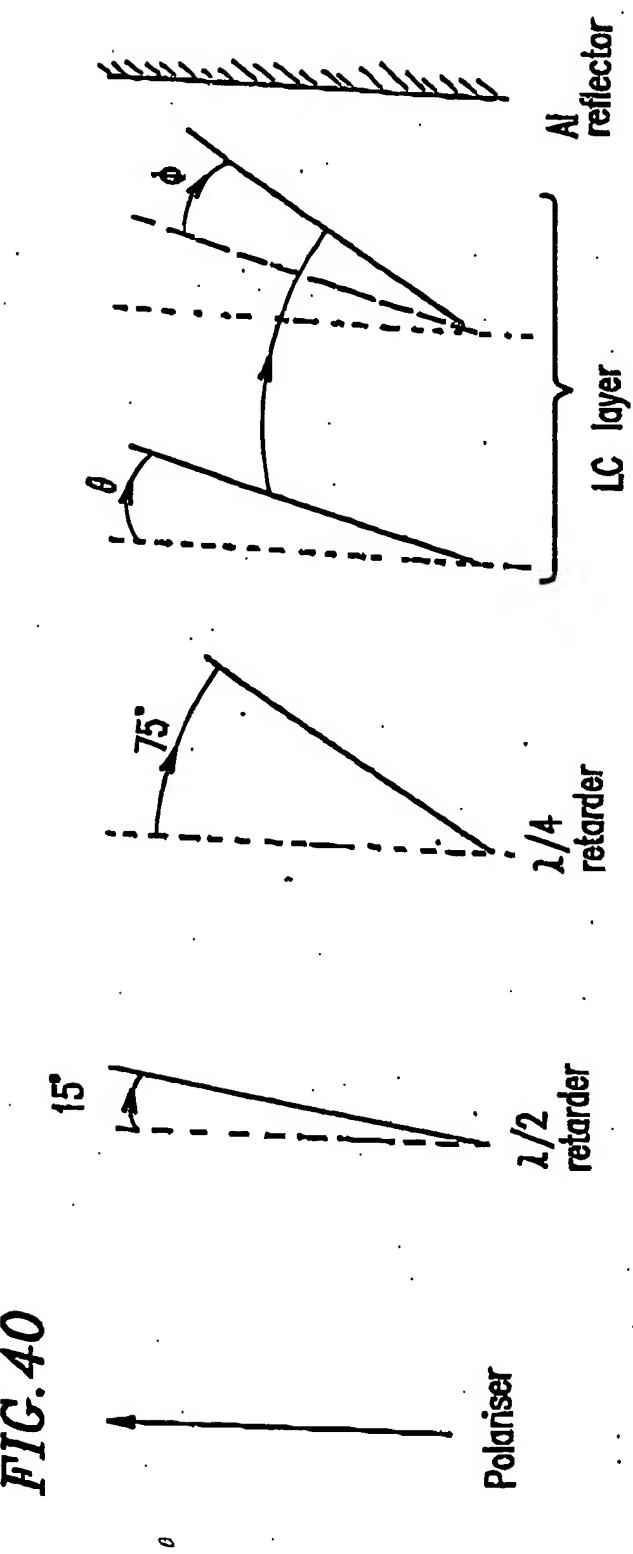
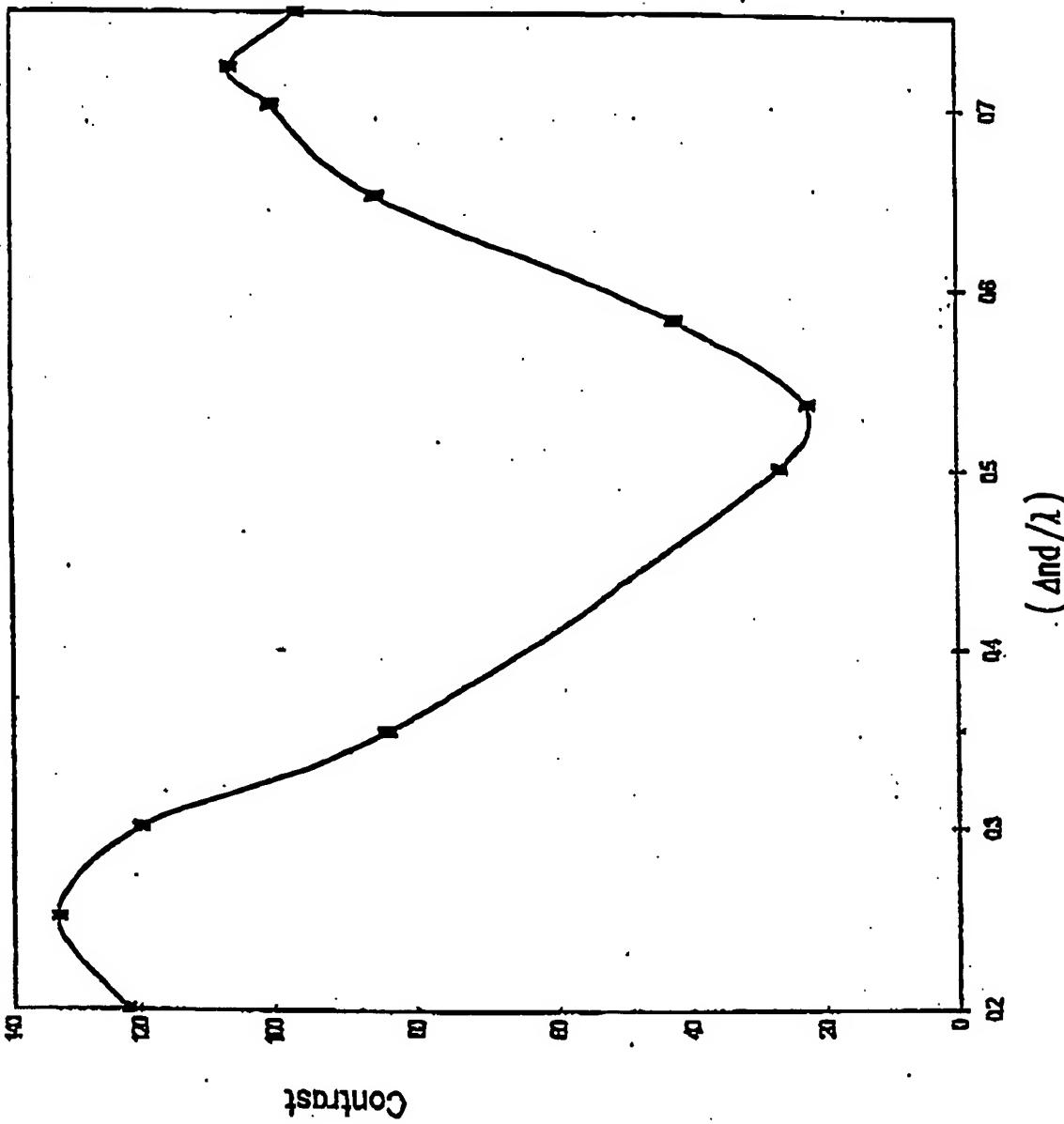


FIG. 40

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FIG. 41



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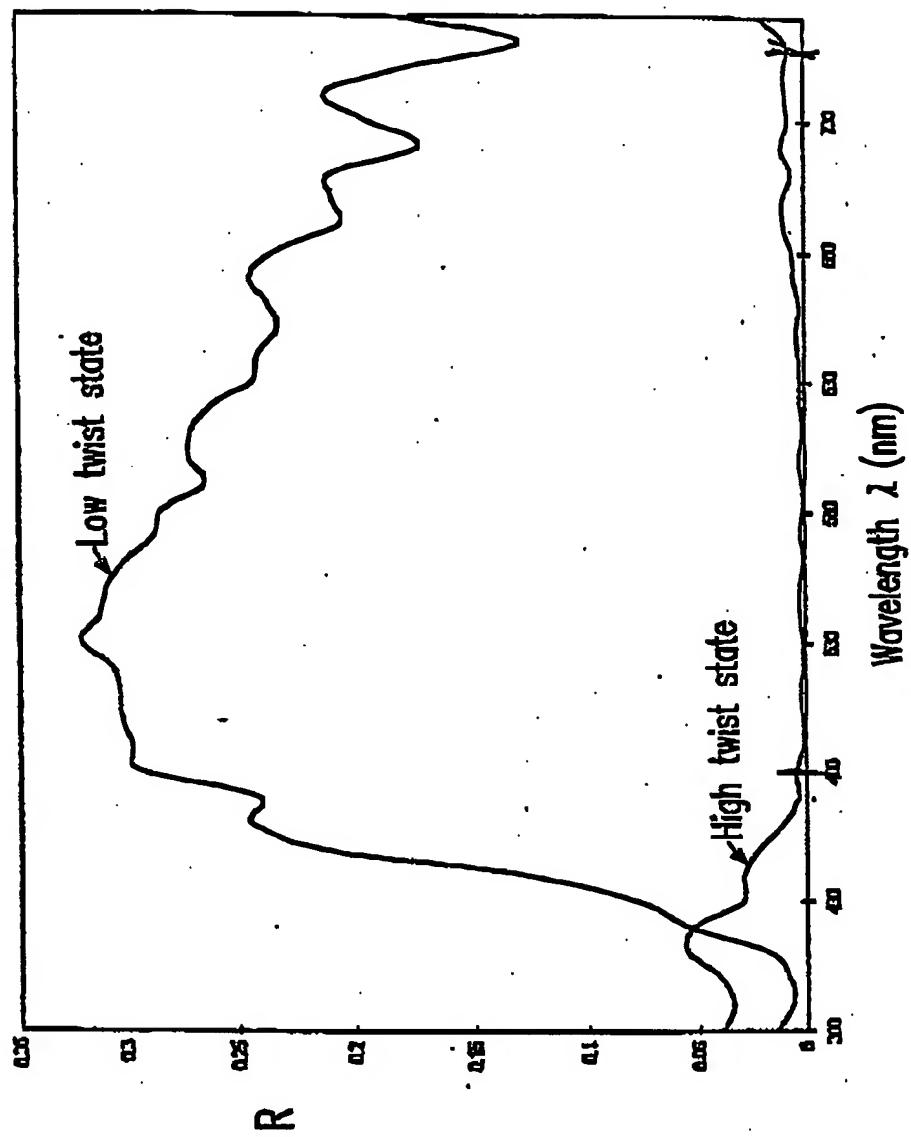
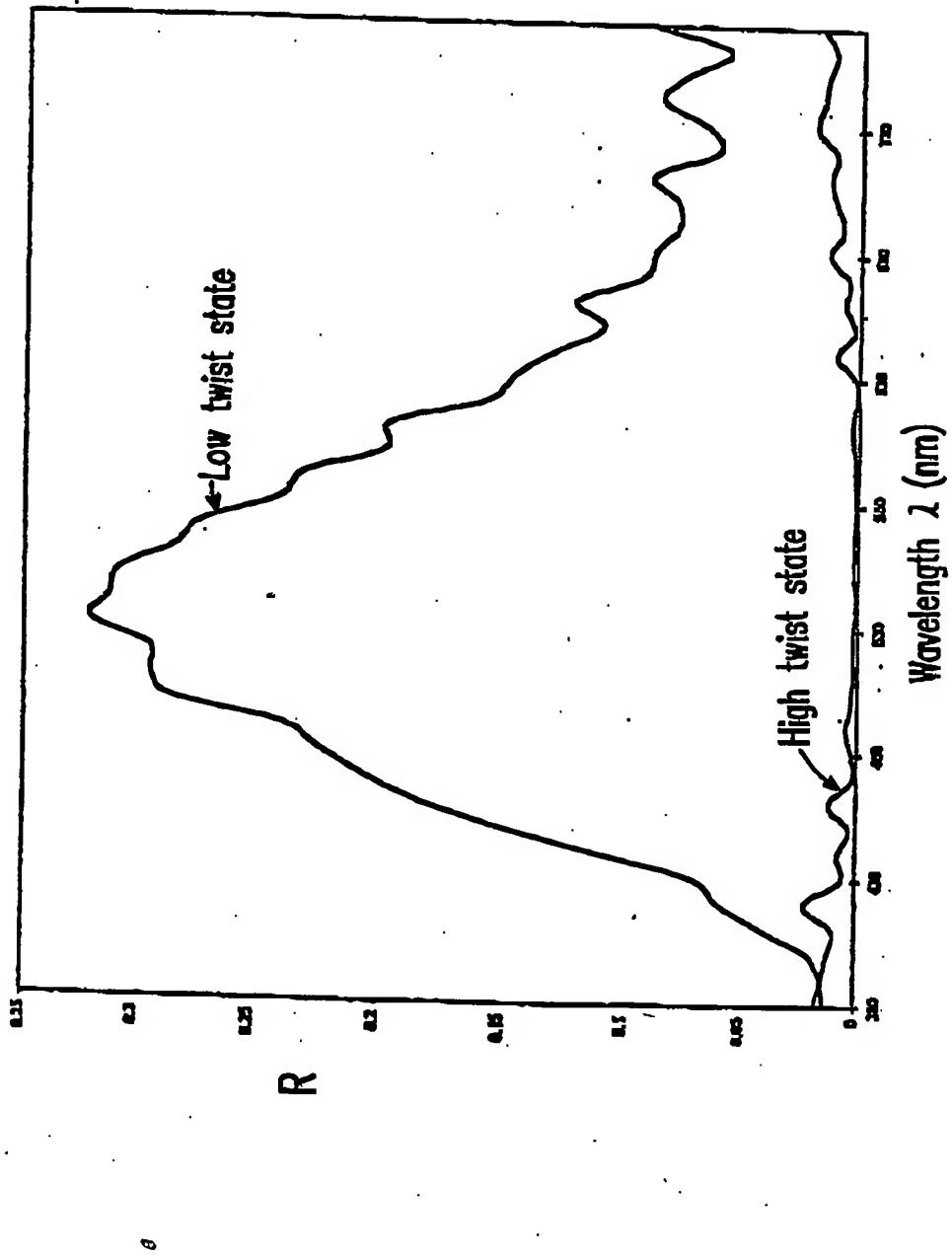


FIG. 42

FIG. 43



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FIG. 44

